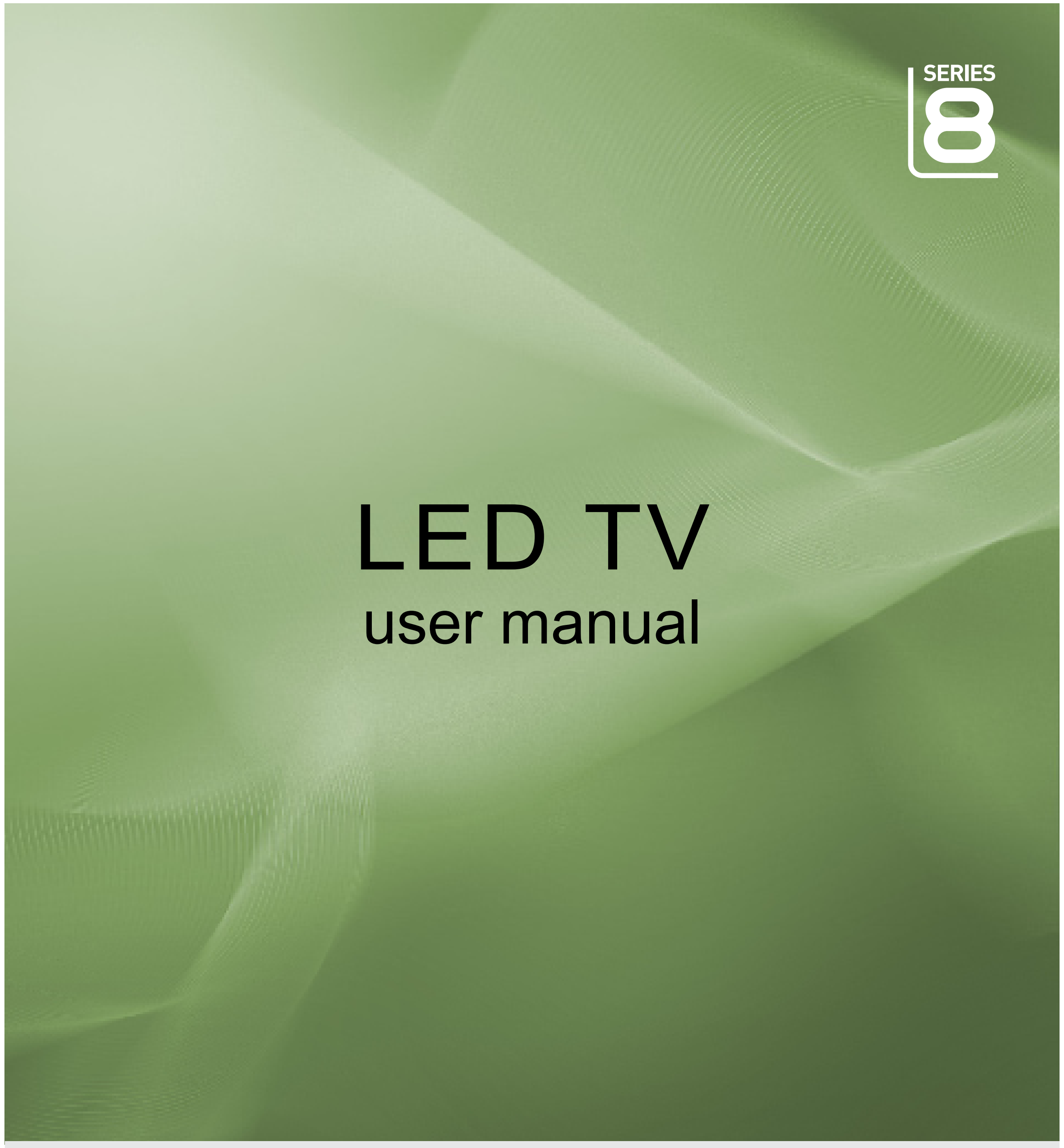
Contact SAMSUNG WORLDWIDE
If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care centre.

Country	Customer Care Centre ☎	Web Site
AUSTRALIA	1300 362 603	www.samsung.com/au
CHINA	800-810-5858 400-810-5858 010-6475 1880	www.samsung.com/cn
	HONG KONG:3698 - 4698	www.samsung.com/hk
INDIA	3030 8282 1-800-3000-8282 1800 110011	www.samsung.com/in
INDONESIA	0800-112-8888	www.samsung.com/id
JAPAN	0120-327-527	www.samsung.com/jp
MALAYSIA	1800-88-9999	www.samsung.com/my
NEW ZEALAND	0800 SAMSUNG (0800 726 786)	www.samsung.com/nz
PHILIPPINES	1-800-10-SAMSUNG(726-7864) 1-800-3-SAMSUNG(726-7864) 02-5805777	www.samsung.com/ph
SINGAPORE	1800-SAMSUNG(726-7864)	www.samsung.com/sg
THAILAND	1800-29-3232 02-689-3232	www.samsung.com/th
TAIWAN	0800-329-999	www.samsung.com/tw
VIETNAM	1 800 588 889	www.samsung.com/vn
SOUTH AFRICA	0860-SAMSUNG(726-7864)	www.samsung.com/za
U.A.E	800-SAMSUNG (726-7864) 8000-4726	www.samsung.com/ae

BN68-01809D-X0



SERIES 8

LED TV
user manual

imagine the possibilities

Thank you for purchasing this Samsung product.
To receive more complete service, please register your product at

www.samsung.com/hk

Model ____________ Serial No. ____________

❑ License

Without producing harmful VOC (Volatile Organic Compounds), Samsung's Eco-friendly "Crystal Design" expresses colour gradation thanks to our dual injection technology.

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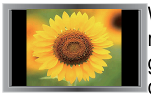
DivX Certified products using Home Theatre Test Kit v3.0 or later: Plays DivX® video, including premium content.

❑ Precautions When Displaying a Still Image

A still image may cause permanent damage to the TV screen

- Do not display still image and partially still on the LED panel for more than 2 hours as it can cause screen image retention. This image retention is also known as "screen burn". To avoid such image retention, reduce the degree of brightness and contrast of the screen when displaying a still image.
- 
Watching the LED TV in 4:3 format for a long period of time may leave traces of borders displayed on the left, right and centre of the screen caused by the difference of light emission on the screen. Playing a DVD or a game console may cause a similar effect to the screen. Damages caused by the above effect are not covered by the Warranty.
- Displaying still images from Video games and PC for longer than a certain period of time may produce partial after-images. To prevent this effect, reduce the 'brightness' and 'contrast' when displaying still images.

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	✎	☝	⧉
Symbol	Note	One-Touch Button	TOOL Button

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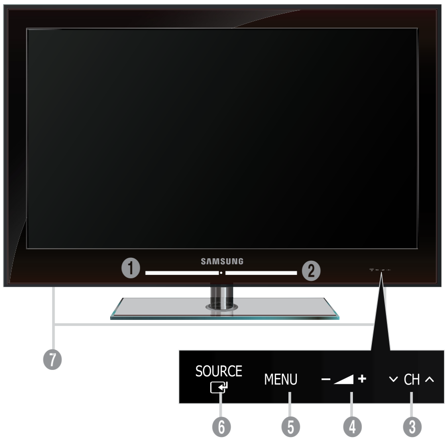
CONNECTING AND PREPARING YOUR TV

Figures and illustrations in this User Manual are provided for reference only and may differ from actual product appearance. Product design and specifications may be changed without notice in order to enhance product performance.

Viewing the Control Panel

The product colour and shape may vary depending on the model.

The front panel buttons can be activated by touching them with your finger.



❶ **REMOTE CONTROL SENSOR**
Aim the remote control towards this spot on the TV.

❷ **⏻ (POWER)**
Press to turn the TV on and off.

❸ **∨ CH ∧**
Press to change channels. In the on-screen menu, use the **∨ CH ∧** buttons as you would use the ▼ and ▲ buttons on the remote control.

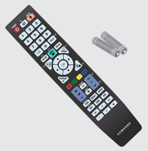
❹ **– VOL +**
Press to increase or decrease the volume.
In the on-screen menu, use the **– VOL +** buttons as you would use the ◄ and ► buttons on the remote control.

❺ **MENU**
Press to see an on-screen menu of your TV's features.

❻ **SOURCE ⏎**
Toggles between all the available input sources. In the on-screen menu, use this button as you would use the **ENTER ⏎** button on the remote control.

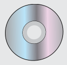
❼ **SPEAKERS**

Accessories

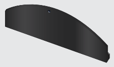


Remote Control & Batteries (AAA x 2)

Mini Remote Control & Batteries (3V)

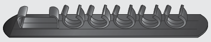


Programme CD



Cover-Bottom

Holder-Wire Cable (Depending on the model)



Holder-Wire (X3)

Stand Screw (M4 X L10) (Depending on the model)

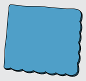
AV Cable

Audio Cable

Component Cable

Holder-Ring (X4)

Holder-Wire Stand



Cleaning Cloth

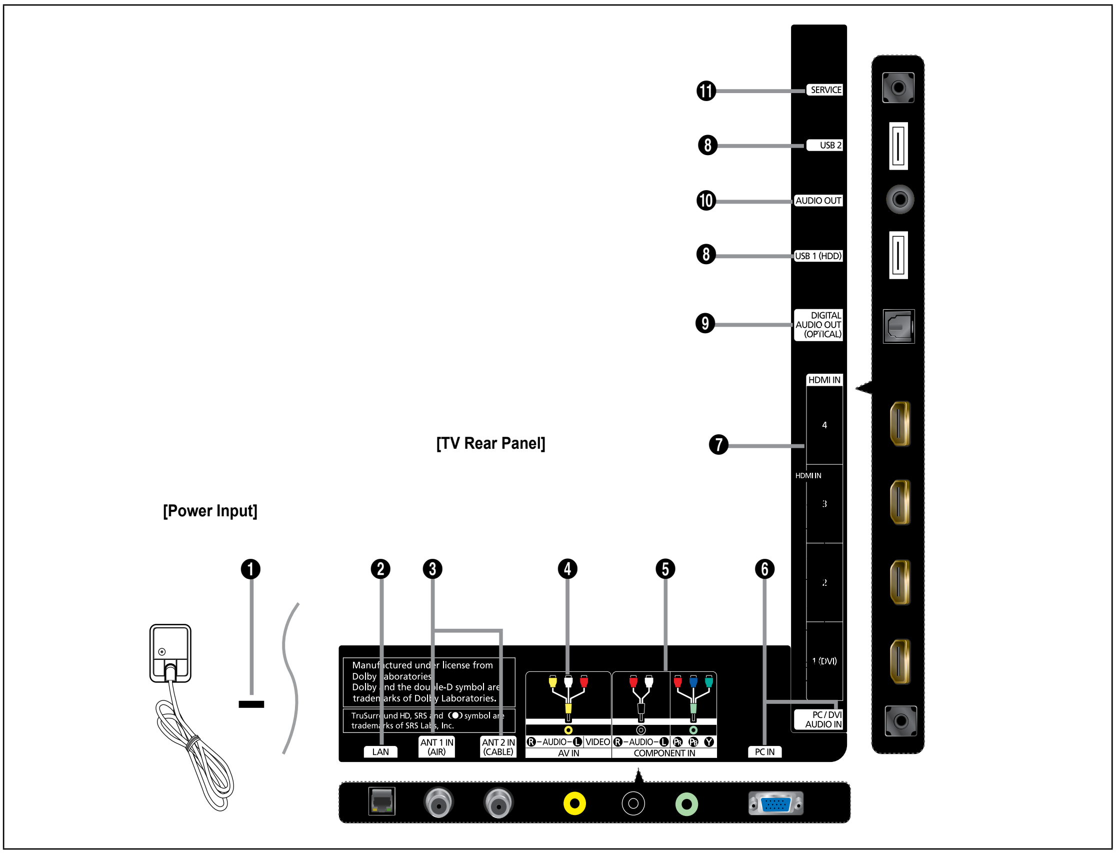
- User Manual
- Warranty card
- Safety Guide
- Registration Cards

Please make sure the following items are included with your LED TV. If any items are missing, contact your dealer.

Warranty card / Safety Guide / Registration Cards (Not available in all locations)

The items colour and shape may vary depending on the model.

Viewing the Connection Panel



[TV Rear Panel]
[Power Input]
⓫ SERVICE
❽ USB 2
❿ AUDIO OUT
❽ USB 1 (HDD)
❾ DIGITAL AUDIO OUT (OPTICAL)
❼ HDMI IN 4
HDMI IN 3
2
1 (DVI)
PC / DVI AUDIO IN
❶
❷ LAN
❸ ANT 1 IN (AIR)
ANT 2 IN (CABLE)
❹ R-AUDIO-L VIDEO AV IN
❺ R-AUDIO-L PR PB Y COMPONENT IN
❻ PC IN

- ✎ The product colour and shape may vary depending on the model.
- ✎ Whenever you connect an external device to your TV, make sure that power on the unit is turned off.
- ✎ When connecting an external device, match the colour of the connection terminal to the cable.

❶ **KENSINGTON LOCK** (depending on the model)
- The Kensington Lock (optional) is a device used to physically fix the system when used in a public place.
- If you want to use a locking device, contact the dealer where you purchased the TV.
- The location of the Kensington Lock may be different depending on its model.

❷ **LAN**
- Connect a LAN cable to this port to connect to the Network.

❸ **ANT 1 IN/ ANT 2 IN**
- Connects to an Air or cable TV system.
- There are two kinds of antennas:Air and Cable.

❹ **AV IN [R-AUDIO-L] / [VIDEO]**
- Connect RCA cable to an appropriate external A/V device such as VCR, DVD or Camcorder.
- Connect RCA audio cables to **[R-AUDIO-L]** on your set and the other ends to corresponding audio out connectors on the A/V device.

❺ **COMPONENT IN**
- Connect component video cables (optional) to component connector (PR, PB, Y) on the rear of your set and the other ends to corresponding component video out connectors on the DVD.
- If you wish to connect both the Set-Top Box and DVD, you should connect the Set-Top Box to the DVD and connect the DVD to component connector (PR, PB, Y) on your set.
- The PR, PB and Y connectors on your component devices DVD are sometimes labeled Y, B-Y and R-Y or Y, Cb and Cr.
- Connect RCA audio cables (optional) to **[R-AUDIO-L]** on the rear of your set and the other ends to corresponding audio out connectors on the DVD.

❻ **PC IN / PC/DVI AUDIO IN**
- Connects to the video and audio output jacks on your PC.
  - ✎ If your PC supports an HDMI connection, you can connect this to the **HDMI IN 1(DVI), 2, 3** or **4** terminal.
  - ✎ If your PC supports a DVI connection, you can connect this to the **HDMI IN 1(DVI) / PC/DVI AUDIO IN** terminal.

❼ **HDMI IN 1(DVI), HDMI IN 2, HDMI IN 3, HDMI IN 4**

- Supports connections between HDMI-connection-enabled AV devices (Set-Top Boxes, DVD players)
- No additional Audio connection is needed for an HDMI to HDMI connection.
- When using an HDMI / DVI cable connection, you must use the **HDMI IN 1(DVI)** jack.
- **Attention**

- Max 0.55 imch(14mm)

✎ For best HDMI connection to this slim TV.be sure HDMI with a maximum thickness of 0.55 inch(14mm).

✎ What is HDMI?

'High Definition Multimedia interface' allows the transmission of high definition digital video data and multiple channels of digital audio.

The HDMI / DVI terminal supports DVI connection to an extended device with the appropriate cable (not supplied).

The difference between HDMI and DVI is that the HDMI device is smaller in size, has the HDCP (High Bandwidth Digital Copy Protection) coding feature installed, and supports multi - channel digital audio.

✎ The TV may not output sound and pictures may be displayed with abnormal colour when DVD / Blu-ray player / Cable Boxes / Satellite receivers supporting HDMI versions older than 1.3 are connected. When connecting an older HDMI cable and there is no sound, connect the HDMI cable to the **HDMI IN 1(DVI)** jack and the audio cables to the **DVI AUDIO IN** jacks on the back of the TV. If this happens, contact the company that provided the DVD / Blu-ray player / Cable Box / Satellite receiver to confirm the HDMI version, then request a firmware update. HDMI cables that are not 1.3 may cause annoying flicker or no screen display.

✎ Supported modes for HDMI / DVI and Component.

	480i	480p	576i	576p	720p	1080i	1080p
HDMI / DVI 50Hz	X	X	X	O	O	O	O
HDMI / DVI 60Hz	X	O	O	X	O	O	O
Component	O	O	O	O	O	O	O

❽ **USB1(HDD) / USB2**

- Connector for software upgrades and Media Play, etc.
- You can connect to Samsung's network wirelessly using the 'Samsung Wireless LAN Adapter' (Sold separately).

✎ For USB HDD, use the USB1 (HDD) port.

❾ **DIGITAL AUDIO OUT (OPTICAL)**

- Connects to a Digital Audio component.

✎ When a Digital Audio System is connected to the **DIGITAL AUDIO OUT (OPTICAL)** jack: Decrease the volume of the TV and adjust the volume level with the system's volume control.

✎ 5.1CH audio is possible when the TV is connected to an external device supporting 5.1CH.

✎ When the receiver (home theatre) is set to On, you can hear sound output from the TV's Optical jack. When the TV is displaying a DTV(air) signal, the TV will send out 5.1 channel sound to the Home theatre receiver. When the source is a digital component such as a DVD / Blu-ray player / Cable Box / Satellite receiver (Set-Top Box) and is connected to the TV via HDMI, only 2 channel sound will be heard from the Home Theatre receiver. If you want to hear 5.1 channel audio, connect thedigital audio out jack on DVD / Blu-ray player / Cable Box / Satellite receiver (Set-Top Box) directly to an Amplifier or Home Theatre, not the TV.

✎ For best optical connection to this slim TV be sure to use optical cables with the fit size.

❿ **AUDIO OUT**

- Connect the audio cables to AUDIO OUT on the rear of your set and the other end to corresponding audio system.

⓫ **SERVICE**

- Connector for service only.

⚠ For best connection to this slim TV, be sure using the cable with fit size, or it will make damage to your TV.

Remote Control

✎ You can use the remote control up to a distance of about 23 feet from the TV.
✎ The performance of the remote control may be affected by bright light.
✎ The product colour and shape may vary depending on the model.

❶ **POWER** : Turns the TV on and off.

❷ **TV** : Selects the TV mode directly.

❸ **NUMERIC BUTTONS** : Press to change the channel.

❹ ⏎ : Performs the same function as the **ENTER** ⏎ button of the directional buttons. When switching channels with the numeric buttons, and you press the channel number and then the **ENTER** ⏎ button, the channel is immediately switched.

❺ **CH LIST** : Displays the Channel List on screen.

❻ **TOOLS** : Use to quickly select frequently used functions.

❼ **INTERNET@** : Press to use various internet services to view useful information and entertaining content.

❽ **COLOUR BUTTONS** : Use these buttons in the **Channel list**, **Internet@TV**, **Media Play** menu, etc.

❾ **– ◢ +** : Press to increase or decrease the volume.

❿ **MUTE** 🔇 : Press to temporarily cut off the sound.

⓫ **TTX/MIX**: TEXT function in MHEG.

⓬ **INFO** : Press to display information on the TV screen.

⓭ Use these buttons in the DMA, **Media Play** and **Anynet$^+$** modes. (●: This remote can be used to control recording on Samsung recorders with the Anynet$^+$ feature)

⓮ **ON/OFF** ☼ : Pressing the **ON/OFF** ☼ light button toggles between on and off. When the remote control is on, and a button is pressed on the remote control, the remote control buttons will be lit for a moment. (Using the remote control with the **ON/OFF** ☼ light button set to On will reduce the battery usage time.)

⓯ **PRE-CH** : Enables you to return to the previous channel you were watching.

⓰ **MENU** : Displays the main on-screen menu.

⓱ **FAV.CH** : Used to display Favourites Channel Lists on the screen.

⓲ **RETURN** : Returns to the previous menu

⓳ **UP▲ / DOWN▼ / LEFT◄ / RIGHT► / ENTER** ⏎ : Use to select on-screen menu items and change menu values.

⓴ **EXIT** : Press to exit the menu.

㉑ **SOURCE** : Press to display and select the available video sources.

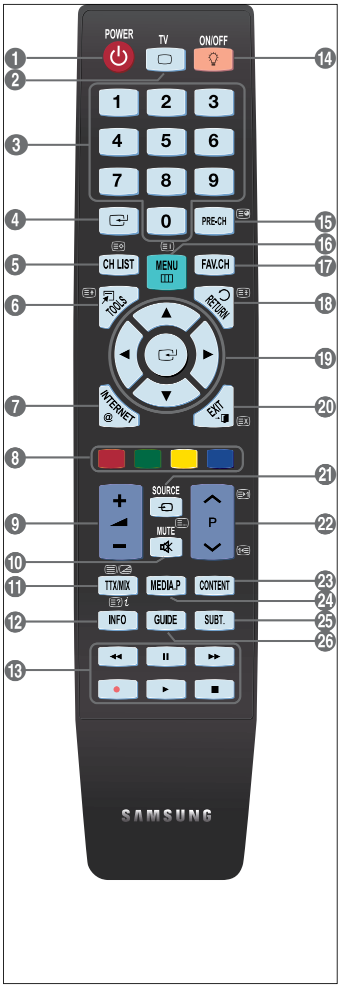
㉒ **∨ P ∧** : Press to change channels.

㉓ **CONTENT** : This function enables you to view the **Content Library**.

㉔ **MEDIA.P** : Allows you to play music files, pictures and movies.

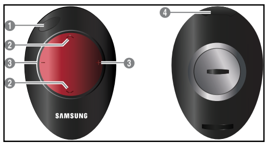
㉕ **SUBT.**: Digital subtitle display

㉖ **GUIDE**: Electronic Programme Guide (EPG) display.



Mini Remote Control

The Mini Remote Control is a simplified remote control that consists of the power, channel and volume buttons only.



❶ Television Standby button

✎ This button only works when you press it for longer than 1.5 seconds.

❷ ∧ : Next channel / ∨ : Previous channel

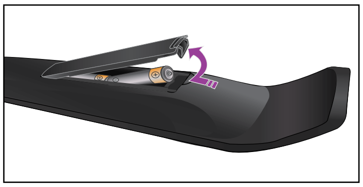
❸ **+** : Next channel / **–** : Previous channel

❹ IrDA transmitter

✎ Use the Mini Remote Control so that this part faces the TV.

Installing Batteries in the Remote Control

Normal Remote Control



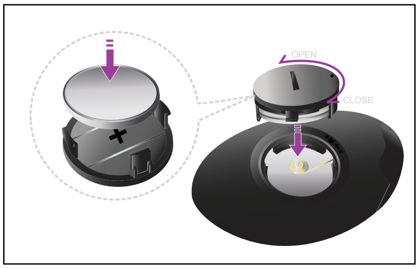
1. Lift the cover at the back of the remote control upward as shown in the figure.
2. Install two AAA size batteries.

✎ Make sure to match the '+' and '–' ends of the batteries with the diagram inside the compartment.

3. Replace the cover.

✎ Remove the batteries and store them in a cool, dry place if you won't be using the remote control for a long time. (Assuming typical TV usage, the batteries should last for about one year.)

Mini Remote Control



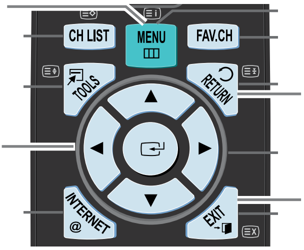
1. Turn the battery cover counterclockwise to unlock it and then separate the battery cover.
2. Insert the corresponding 3V Lithium battery.
3. Place the battery cover into the remote control aligning it with the grooves and then turn the battery cover clockwise to lock the cover.

✎ If the remote control doesn't work, check the following:

- Is the TV power on?
- Are the plus and minus ends of the batteries reversed?
- Are the batteries drained?
- Is there a power outage or is the power cord unplugged?
- Is there a special fluorescent light or neon sign nearby?

Viewing the menus

Before using the TV, follow the steps below to learn how to navigate the menu in order to select and adjust different functions.



MENU Button
Display the main on-screen menu.

ENTER ⏎ / DIRECTION Button
Move the cursor and select an item. Select the currently selected item. Confirm the setting.

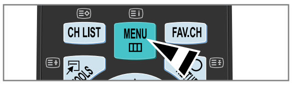
RETURN Button
Return to the previous menu.

EXIT
Exit the on-screen menu.

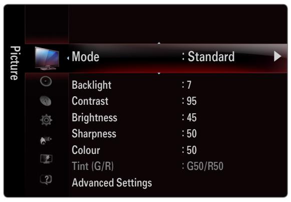
❑ Operation of the OSD (On Screen Display)

The access steps may differ depending on the selected menu.

1. Press the **MENU** button.

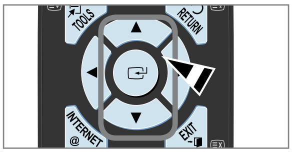


2. The main menu appears on the screen. The menu's left side has icons : **Picture, Sound, Channel, Setup, Input, Application, Support.**

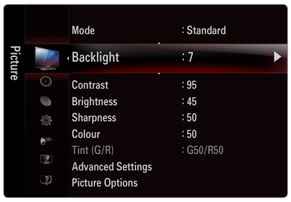


Picture
Mode : Standard
Backlight : 7
Contrast : 95
Brightness : 45
Sharpness : 50
Colour : 50
Tint (G/R) : G50/R50
Advanced Settings

3. Press the ▲ or ▼ button to select one of the icons.

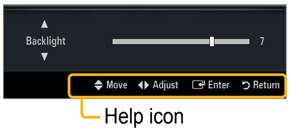


4. Then press the **ENTER** ⏎ button to access the icon's sub-menu.
5. Press the ▲ or ▼ button to select the icon's submenu.



Picture
Mode : Standard
Backlight : 7
Contrast : 95
Brightness : 45
Sharpness : 50
Colour : 50
Tint (G/R) : G50/R50
Advanced Settings
Picture Options

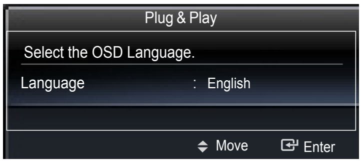
6. Press the ◄ or ► button to decrease or increase the value of a particular item. The adjustment OSD may differ depending on the selected menu.
7. Press the **ENTER** ⏎ button to complete the configuration. Press the **EXIT** button to exit.



Backlight 7

Plug & Play Feature

When the TV is initially powered on, basic settings proceed automatically and subsequently.



Plug & Play

Select the OSD Language.

Language : English

1. Press the **POWER** button on the remote control. The message **Select the OSD Language.**is displayed. Press the **ENTER**↵ button. Select the appropriate language by pressing the ▲ or ▼ button. Press the **ENTER**↵ button to confirm your choice.
2. Press the ◄ or ► button to select **Store Demo** or **Home Use**, then press the **ENTER**↵ button.
   - ✎ We recommend setting the TV to **Home Use** mode for the best picture in your home environment.
   - ✎ **Store Demo** mode is only intended for use in retail environments.
   - ✎ If the unit is accidentally set to **Store Demo** mode and you want to return to **Home Use** (**Standard**): Press the Volume button on the TV. When the volume OSD is displayed, press and hold the **MENU** button on the TV for 5 seconds.
3. Press the ▲ or ▼ button to select Air,Cable or Auto, then press the ENTER↵ button.
   - **Air:** Air antenna signal.
   - **Cable:** Cable antenna signal.
   - **Auto:**Air and Cable antenna signals.
4. Press the ▲ or ▼ button to select the channel source to memorize. Press the **ENTER**↵ button to select **Start**.
   - **Digital & Analogue**: Digital and Analogue channels.
   - **Digital**: Digital channels.
   - **Analogue**: Analogue channels.
   - ✎ The channel search will start and end automatically.
   - ✎ Press the **ENTER**↵ button at any time to interrupt the memorization process.
   - ✎ After all the available channels are stored, the message **Set the Clock Mode.** is displayed.
5. Press the **ENTER**↵ button. Press the ▲ or ▼ button to select **Auto**, then Press the **ENTER**↵ button.
   - ✎ If you select **Manual**, Set current date and time is displayed.
   - ✎ If you have received a digital signal, the time will be set automatically. If not, select Manual to set the clock.
6. The description for the connection method providing the best HD screen quality is displayed. Check the description and press the **ENTER**↵ button.
7. Press the ◄ or ► button to select **See Product Guide** or **Watch TV**, then the **ENTER**↵ button.
   - **See Product Guide**: You are moved to the **Product Guide** where you can view the introduction to the main functions of your new HDTV.
   - **Watch TV**: You can watch the set broadcasting channel.

If you want to reset this feature...

1. Press the **MENU** button to display the menu. Press the ▲ or ▼ button to select **Setup**, then press the **ENTER**↵ button.
2. Press the **ENTER**↵ button again to select **Plug & Play**.
3. Enter your 4 digit PIN number. The default PIN number of a new TV set is ‘0-0-0-0’.
   - ✎ If you want to change PIN number, use the **Change PIN** function.
   - ✎ The **Plug & Play** feature is only available in the TV mode.

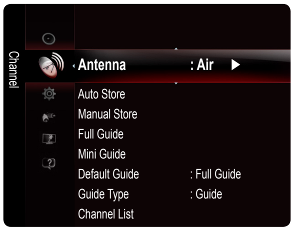
CHANNEL CONTROL

Configuring the Channel Menu

❑ Antenna

Your TV can memorize both Air and Cable channels.

- ✎ If the antenna is connected to ANT 1 IN (AIR), select “Air” and if it is connected to ANT 2 IN (CABLE), select “Cable”.
- ✎ If both ANT 1 IN (AIR) and ANT 2 IN (CABLE) are connected, select the antenna input you want.
- ✎ If the antenna input is not selected properly, noise may appear on the screen.



Antenna : Air ►
Auto Store
Manual Store
Full Guide
Mini Guide
Default Guide : Full Guide
Guide Type : Guide
Channel List

❑ Auto Store

You can scan for the frequency ranges available to you (and availability depends on your country).

Automatically allocated programme numbers may not correspond to actual or desired programme numbers.

✎ If a channel is locked using the **Child Lock** function, the PIN input window appears.

■ Air/Cable/Auto

- **Air:** “Air” antenna signal.
- **Cable:** “Cable” antenna signal.
- **Auto:** “Air” and “Cable” antenna signals.

If the antenna is connected to ANT 1 IN (AIR), select “Air” and if it isconnected to ANT 2 IN (CABLE), select “Cable”.

If both ANT 1 IN (AIR) and ANT 2 IN (CABLE) are connected, select “Auto”.

Antenna source to memorize

■ Digital & Analogue / Digital / Analogue

- **Digital & Analogue**: Digital and Analogue channels.
- **Digital**: Digital channels.
- **Analogue**: Analogue channels.

✎ Scans for all channels with active broadcast stations and stores them in the TV’s memory.

✎ If you want to stop Auto Store, press the **ENTER**⏎ button.
The **Stop Auto Store?** message will be displayed.
Select **Yes** by pressing the ◄ or ► button, then press the **ENTER**⏎ button.

❑ Manual Store

✎ Scans for a channel manually and stores it in the TV’s memory.

✎ If a channel is locked using the **Child Lock** function, the PIN input window appears.

■ Digital Channel

Manual store for digital channels.

- **Channel**: Set the Channel number using the ▲, ▼ or number (0~9) buttons.
- **Frequency**: Set the frequency using the number buttons.
- **Bandwidth**: Set the bandwidth using the ▲, ▼ or number (0~9) buttons.

✎ When it has finished, channels are updated in the channel list.

■ Analogue Channel

Manual store for analogue channel.

- **Programme** (Programme number to be assigned to a channel): Sets the programme number using the ▲, ▼ or number (0~9) buttons.
- **Colour System → Auto / PAL / SECAM / NTSC4.43 / NTSC3.58**: Sets the colour system value using the ▲ or ▼ button.
- **Sound System → M / BG / DK / I / L**: Sets the sound system value using the ▲ or ▼ button.
- **Channel** (When you know the number of the channel to be stored): Press the ▲ or ▼ button to select **C** (Air channel) or **S** (Cable channel). Press the ► button, then press the ▲, ▼ or number (0~9) buttons to select the required number.
  - ✎ You can also select the channel number directly by pressing the number (0~9) buttons.
  - ✎ If there is abnormal sound or no sound, reselect the sound standard required.
- **Search** (When you do not know the channel numbers): Press the ▲ or ▼ button to start the search. The tuner scans the frequency range until the first channel or the channel that you selected is received on the screen.
- **Store** (When you store the channel and associated programme number): Set to **OK** by pressing the **ENTER**⏎ button.

✎ **Channel mode**

- P (Programme mode): When completing tuning, the broadcasting stations in your area have been assigned to position numbers from P00 to P99. You can select a channel by entering the position number in this mode.
- C (Air channel mode): You can select a channel by entering the assigned number to each air broadcasting station in this mode.
- S (Cable channel mode): You can select a channel by entering the assigned number for each cable channel in this mode.

❑ Full Guide / Mini Guide

✎ This function may not be supported depending on your country.

The EPG (Electronic Programme Guide) information is provided by the broadcasters. Programme entries may appear blank or out of date as a result of the information broadcast on a given channel. The display will dynamically update as soon as new information becomes available.

☞ You can also display the guide menu simply by pressing the **GUIDE** button. (To configure the **Default Guide**, refer to the descriptions.)

■ Full Guide

Displays the programme information as time ordered One hour segments. Two hours of programme information is displayed which may be scrolled forwards or backwards in time.

■ Mini Guide

The information of each programme is displayed by each line on the current channel Mini Guide screen from the current programme onwards according to the programme starting time order.

❑ Default Guide → Full Guide / Mini Guide

This function may not be supported depending on your country.

You can decide whether to display either the **Mini Guide** or the **Full Guide** when the **GUIDE** button on the remote control is pressed.

❑ Guide Type → Guide / Auto

You can decide whether to display either the built-in Guide or the downloaded Guide when the GUIDE button on the remote control is pressed

- Guide:Set the built-in guide to be displayed when the GUIDE button on the remote control is pressed.
- Auto:Set the TV to select the proper Guide automatically when the GUIDE button on the remote control is pressed.

❑ Channel List

For the detailed procedures on using the **Channel List**, refer to the **Managing Channels** instructions.

- You can select these options by simply pressing the **CH LIST** button on the remote control.

❑ Channel Mode

When press the P ∧/∨ button, Channels will be switched within the selected channel list.

❑ Fine Tune

If the reception is clear, you do not have to fine tune the channel, as this is done automatically during the search and store operation. If the signal is weak or distorted, you may have to fine tune the channel manually.

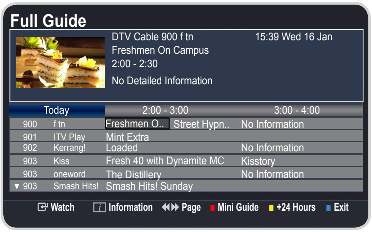
- Fine tuned channels that have been saved are marked with an asterisk "*" on the right-hand side of the channel number in the channel banner.
- To reset the fine-tuning, select **Reset** by pressing the ▲ or ▼ button and then press the **ENTER** button.
- Only Analogue TV channels can be fine tuned.

❑ LNA (Low Noise Amplifier)

If the TV is operating in a weak-signal area, the LNA function can improve the reception (a low-noise preamplifier boosts the incoming signal).

- While viewing an Analogue channel, this function can work.

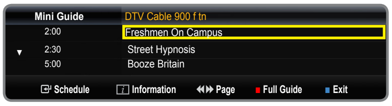
Using the Full / Mini Guide



Full Guide

DTV Cable 900 f tn 15:39 Wed 16 Jan
Freshmen On Campus
2:00 - 2:30
No Detailed Information

Today		2:00 - 3:00	3:00 - 4:00
900	f tn	Freshmen O.. Street Hypn..	No Information
901	ITV Play	Mint Extra	
902	Kerrang!	Loaded	No Information
903	Kiss	Fresh 40 with Dynamite MC	Kisstory
903	oneword	The Distillery	No Information
▼ 903	Smash Hits!	Smash Hits! Sunday	



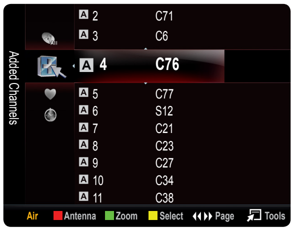
Mini Guide DTV Cable 900 f tn

2:00	Freshmen On Campus
▼ 2:30	Street Hypnosis
5:00	Booze Britain

To...	Then...
Watch a programme in the EPG list	Select a programme by pressing the ▲, ▼, ◄, ► button.
Exit the guide	Press the blue button
If the next programme is selected, it is scheduled with the clock icon displayed. If the **ENTER** button is pressed again, press the ◄, ► button to select Cancel Schedules, the scheduling is canceled with the clock icon gone.	
View programme information	Select a programme of your choice by pressing the ▲, ▼, ◄, ► button. Then press the **INFO** button when the programme of your choice is highlighted. The programme title is on the upper part of the screen center.
Please click on **INFO** button for the detailed information. Channel Number, Running Time, Status Bar, Parental Level, Video Quality Information (HD / SD), Sound Modes, Subtitle, languages of Subtitle and brief summary of the highlighted programme are included on the detailed information. "▼" will appears if the summary is long.	
Toggle between the **Mini Guide** or **Full Guide**	Press the red button repeatedly.
In Full Guide Scrolls backwards quickly (24 hours). Scrolls forwards quickly (24 hours).	 Press the green button repeatedly. Press the yellow button repeatedly.
In Mini Guide Display previous page quickly. Display next page quickly.	 Press the green button. Press the yellow button.

Managing Channels

Using this menu, you can add / delete or set favourite channels and so on.



A	2	C71
A	3	C6
A	4	C76
A	5	C77
A	6	S12
A	7	C21
A	8	C23
A	9	C27
A	10	C34
A	11	C38

- **All Channels**

  Shows all currently available channels.

- **Added Channels**

  Shows all added channels.

- **Favourites**

  Shows all favourite channels.

  - To select the favourites channels you have set up, press the **FAV.CH** button on the remote control.

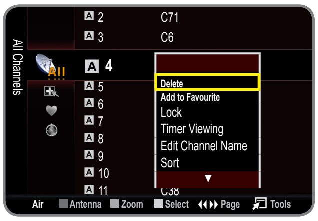
- **Programmed**

  Shows all current reserved programmes.

  - Select a channel in the **All Channels, Added Channels** or **Favourites** screen by pressing the ▲ / ▼ buttons, and pressing the **ENTER**⏎ button. Then you can watch the selected channel.
  - **Using the Colour buttons with the Channel List**
    - **Red** (**Antenna**): Toggle between your “Air” and “Cable” Antenna.
    - **Green** (**Zoom**): Enlarges or shrinks a channel number.
    - **Yellow** (**Select**): Selects multiple channel lists. You can perform the **Add** / **Delete**, **Add to Favourite** / **Delete from Favourite** or **Lock** / **Unlock** function for multiple channels at the same time. Select the required channels by pressing the yellow button, and then press the TOOLS button to set all the selected channels at the same time.
    - **TOOLS** (**Tools**): Displays the **Delete** (or **Add**), **Add to Favourite** (or **Delete from Favourite**), **Lock** (or **Unlock**), **Timer Viewing, Edit Channel Name, Edit Channel Number, Sort, Select All, Deselect All** or **Auto Store** menu. (The Options menus may differ depending on the situation.)
  - **Channel Status Display Icons**

A	An Analogue channel.	✓	A channel selected by pressing the yellow button.
♥	A channel set as a Favourite.	📺	A programme currently being broadcast.
🔒	A locked channel.	🕒	A reserved programme

Channel List Option Menu (in All Channels / Added Channels / Favourites)



A	2	C71
A	3	C6
A	4	
A	5	
A	6	
A	7	
A	8	
A	9	
A	10	
A	11	C38

- Press the **TOOLS** button to use the option menu.
- Option menu items may differ depending on the channel status.

- **Add / Delete**

  You can delete or add a channel to display the channels you want.

  - All deleted channels will be shown on **All Channels** menu.
  - A gray-coloured channel indicates the channel has been deleted.
  - The **Add** menu only appears for deleted channels.
  - You can also delete a channel to the **Added Channels** or **Favourites** menu in the same manner.

- **Add to Favourite / Delete from Favourite**

  You can set channels you watch frequently as favourites.

  - The ♥ symbol will be displayed and the channel will be set as a favourite.
  - All favourite channels will be shown on **Favourite** menu.
  - Press the **TOOLS** button to display the **Tools** menu. You can also set the Add to Favourite by selecting **Tools** → **Add to Favourite**.

- **Lock / Unlock**

  You can lock a channel so that the channel cannot be selected and viewed. This function is available only when the **Child Lock** is set to **On**. (see page 22)

  - The PIN number input screen appears. Enter your 4 digit PIN number.
  - The default PIN number of a new TV set is **0-0-0-0**. You can change the PIN, by selecting **Change PIN** from the menu.
  - The 🔒 symbol will be displayed and the channel will be locked.

- **Timer Viewing**

  If you reserve a programme you want to watch, the channel is automatically switched to the reserved channel in the Channel List; even when you are watching another channel. To reserve a programme, set the current time first. (See page 21.)

  ✎ Only memorized channels can be reserved.

  ✎ You can set the channel, day, month, year, hour and minute directly by pressing the number buttons on the remote control.

  ✎ Reserved programmes will be shown on **Programmed** menu.

  ✎ **Digital Programme Guide and Viewing Reservation**

  When a digital channel is selected, and you press the ► button, the Programme Guide for the channel appears. You can reserve a programme according to the procedures described above.

- **Edit Channel Name (analogue channels only)**

  Channels can labeled so that their call letters appear whenever the channel is selected.

  ✎ The names of digital broadcasting channels are automatically assigned and cannot be renamed.

- **Edit Channel Number (digital channels only)**

  ✎ You can also edit the channel number by pressing the number buttons on the remote control.

- **Sort (analogue channels only)**

  This operation allows you to change the programme numbers of the stored channels. This operation may be necessary after using the auto store.

- **Select All / Deselect All**
  - **Select All**: You can select all the channels in the channel list.
  - **Deselect All**: You can deselect all the selected channels by pressing the **TOOLS** button.
  - You can perform the add / delete, add to Favourite / delete from Favourite, or lock / unlock function for multiple channels at the same time. Select the required channels by pressing the yellow button , and then press the **TOOLS** button to set all the selected channels at the same time.

  ✎ The ✓ mark appears to the left of the selected channels.

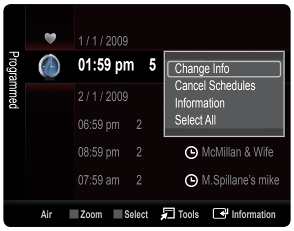
  ✎ You can select **Deselect All** only when there is at least a selected channel.

- **Auto Store**

  ✎ For further details on setting up options, refer to page 10.

  ✎ If a channel is locked using the **Child Lock** function, the PIN input window appears.

Channel List Option Menu (in Programmed)



You can view, modify or delete a reservation.

✎ Press the **TOOLS** button to use the option menu.

- **Change Info**

  Select to change a viewing reservation.

- **Cancel Schedules**

  Select to cancel a viewing reservation.

- **Information**

  Select to view a viewing reservation. (You can also change the reservation information.)

- **Select All**

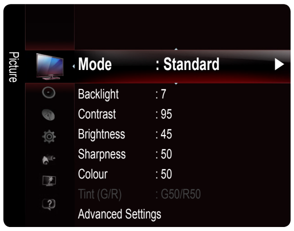
  Select all reserved programmes.

PICTURE CONTROL

Configuring the Picture Menu

❑ Mode

You can select the type of picture which best corresponds to your viewing requirements.



Mode : Standard
Backlight : 7
Contrast : 95
Brightness : 45
Sharpness : 50
Colour : 50
Tint (G/R) : G50/R50
Advanced Settings

■ **Dynamic**

Selects the picture for increased definition in a bright room.

■ **Standard**

Selects the picture for the optimum display in a normal environment.

■ **Natural**

Selects the picture for optimum and eye-comfortable display.

■ **Movie**

Selects the picture for viewing movies in a dark room.

❑ Backlight / Contrast / Brightness / Sharpness / Colour / Tint(G/R)

Your television has several setting options that allow you to control the picture quality.

- **Backlight**: Adjusts the brightness of LED back light.
- **Contrast**: Adjusts the contrast level of the picture.
- **Brightness**: Adjusts the brightness level of the picture
- **Sharpness**: Adjusts the edge definition of the picture.
- **Colour**: Adjusts colour saturation of the picture.
- **Tint(G/R)**: Adjusts the colour tint of the picture.

🄽 Select a picture mode to be adjusted first. The adjusted values are saved for each picture mode.

🄽 When you make changes to **Backlight, Contrast, Brightness, Sharpness, Colour** or **Tint(G/R)**, the OSD will be adjusted accordingly.

🄽 In analogue TV, AV mode of the PAL system, you cannot use the **Tint(G/R)** Function.

🄽 In PC mode, you can only make changes to **Backlight, Contrast** and **Brightness**.

🄽 Settings can be adjusted and stored for each external device you have connected to an input of the TV.

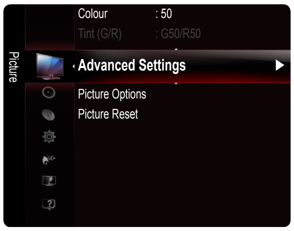
🄽 The energy consumed during use can be significantly reduced if the brightness level of the picture is lowered, which will reduce the overall running cost.

❑ Advanced Settings

Samsung's new TVs allow you to make even more precise picture settings than previous models.

🄽 **Advanced Settings** is available in **Standard** or **Movie** mode.

🄽 In PC mode, you can only make changes to **Dynamic Contrast**, **Gamma** and **White Balance** from among the **Advanced Settings** items.



Colour : 50
Tint (G/R) : G50/R50
Advanced Settings
Picture Options
Picture Reset

■ **Black Tone → Off / Dark / Darker / Darkest**

You can select the black level on the screen to adjust the screen depth.

■ **Dynamic Contrast → Off / Low / Medium / High**

You can adjust the screen contrast so that the optimal contrast is provided.

■ **Gamma**

You can adjust the Primary Colour (Red, Green, Blue) Intensity.

■ **Colour Space**

Colour Space is a colour matrix composed of red, green and blue colours. Select your favourite Colour Space to experience the most natural colour.

- **Auto**: Auto Colour Space automatically adjusts to the most natural colour tone based on programme sources.
- **Native**: Native Colour Space offers deep and rich colour tone.
- **Custom**: Adjusts the colour range to suit your preference.

  🄽 **Customizing the Colour Space**

  - **Colour → Red / Green / Blue / Yellow / Cyan / Magenta**
  - Adjusts the Colour range to suit your preference. **Colour** is available when **Colour Space** is set to **Custom**.
  - **Red / Green / Blue**: In **Colour**, you can adjust the RGB values for the selected colour.
  - **Reset**: Resets the colour space to the default values.

White Balance

You can adjust the colour temperature for more natural picture colours.

- **R-Offset / G-Offset / B-Offset / R-Gain / G-Gain / B-Gain**: Changing the adjustment value will refresh the adjusted screen.
- **Reset**: The previously adjusted white balance will be reset to the factory defaults.

Flesh Tone

You can emphasize the pink ‘flesh tone’ in the picture.

✎ Changing the adjustment value will refresh the adjusted screen.

Edge Enhancement → Off / On

You can emphasize object boundaries in the picture.

xvYCC → Off / On

Setting the xvYCC mode to on increases detail and colour space when watching movies from an external device (ie. DVD player) connected to the HDMI (YCbCr 4:4:4 and YCbCr 4:2:2) or Component IN jacks.

✎ **xvYCC** is available when the picture mode is set to **Movie**, and the external input is set to HDMI or Component mode.

❑ Picture Options

✎ In PC mode, you can only make changes to the **Colour Tone** and **Size** from among the items in **Picture Options**.

Colour Tone → Cool / Normal / Warm1 / Warm2 / Warm3

You can select the most comfortable colour tone to your eyes.

✎ Settings can be adjusted and stored for each external device you have connected to an input of the TV.

✎ **Warm1**, **Warm2** or **Warm3** is only activated when the picture mode is **Movie**.

Size

You can select the picture size which best corresponds to your viewing requirements.

🛠 Press the **TOOLS** button to display the **Tools** menu. You can also set the size by selecting **Tools → Picture Size**.

- **Auto Wide**: Automatically adjusts the picture size to the **16:9** aspect ratio.
  - ✎ This function may not be supported depending on your country.
- **16:9**: Adjusts the picture size to 16:9 appropriate for DVDs or wide broadcasting.
- **Wide Zoom**: Magnify the size of the picture more than 4:3.
- **Zoom**: Magnifies the 16:9 wide picture (in the vertical direction) to fit the screen size.
- **4:3**: This is the default setting for a video movie or normal broadcasting.
- **Screen Fit**: Use the function to see the full image without any cutoff when **HDMI** (720p / 1080i / 1080p) or **Component** (1080i / 1080p) signals are input.

✎ Depending on the input source, the picture size options may vary.

✎ The items available may differ depending on the selected mode.

✎ In PC Mode, only **16:9** and **4:3** mode can be adjusted.

✎ Settings can be adjusted and stored for each external device you have connected to an input of the TV.

✎ Temporary image retention may occur when viewing a static image on the set for more than two hours.

✎ **Wide Zoom**: Press the ► button to Select **Position**, then press the **ENTER**↵ button. Press the ▲ or ▼ button to move the screen up / down. Then press the **ENTER**↵ button.

✎ **Zoom**: Press the ► button to Select **Position**, then press the **ENTER**↵ button. Press the ▲ or ▼ button to move the picture up and down. Then press the **ENTER**↵ button. Press the ► button to Select **Size**, then press the **ENTER**↵ button. Press the ▲ or ▼ button to magnify or reduce the picture size in the vertical direction. Then press the **ENTER**↵ button.

✎ After selecting **Screen Fit** in HDMI (1080i / 1080p) or Component (1080i / 1080p) mode: Select **Position** by pressing the ◄ or ► button. Use the ▲, ▼, ◄ or ► button to move the picture.

Reset: Press the ◄ or ► button to select **Reset**, then press the **ENTER**↵ button. You can initialize the setting.

✎ If you use the **Screen Fit** function with HDMI 720p input, 1 line will be cut at the top, bottom, left and right as in the overscan function.

Screen Mode → 16:9 / Wide Zoom / Zoom / 4:3

✎ This function may not be supported depending on your country.

When setting the picture size to Auto Wide in a 16:9 wide TV, you can determine the picture size you want to see the 4:3 WSS (Wide Screen Service) image or nothing.

- **16:9**: Sets the picture to 16:9 wide mode.
- **Wide Zoom**: Magnify the size of the picture more than 4:3.
- **Zoom**: Magnify the size of the picture vertically on screen.
- **4:3**: Sets the picture to 4:3 normal mode.
  - ✎ This function is available in **Auto Wide** mode.
  - ✎ This function is not available in PC, Component or HDMI mode.

- **Digital NR → Off / Low / Medium / High / Auto**

  If the broadcast signal received by your TV is weak, you can activate the Digital Noise Reduction feature to help reduce any static and ghosting that may appear on the screen.

  When the signal is weak, select one of the other options until the best picture is displayed.

- **HDMI Black Level → Normal / Low**

  You can directly select the black level on the screen to adjust the screen depth.

  This function is active only when the external input connects to HDMI (RGB signals).

- **Film Mode → Off / Auto 1 / Auto 2**

  The TV can be set to automatically sense and process film signals from all sources and adjust the picture for optimum quality.

  Film Mode is supported in TV, AV, COMPONENT(480i / 1080i) and HDMI(480i / 1080i).

- **200Hz Motion Plus → Off / Clear / Standard / Smooth / Custom / Demo**

  Removes drag from fast scenes with a lot of movement to provide a clearer picture.

  This function is not available in PC mode.

  If you enable **200Hz Motion Plus**, noise may appear on the screen. If this occurs, set **200Hz Motion Plus** to **off** or select one of the other options.

  - **Off**: Switches 200Hz Motion Plus off.
  - **Clear**: Sets 200Hz Motion Plus to clear. Provides a clear picture for fast moving scenes.
  - **Standard**: Sets 200Hz Motion Plus to standard.
  - **Smooth**: Sets 200Hz Motion Plus to smooth. Provides a smooth picture for fast moving scenes.
  - **Custom**: Adjusts the blur and judder reduction level to suit your preference.
    - **Blur Reduction**: Adjusts the blur reduction level in video sources.
    - **Judder Reduction**: Adjusts the judder reduction level in video sources with film signals.
    - **Reset**: Reset the custom settings.
  - **Demo**: Displays the difference between 200Hz Motion Plus on and off modes.

- **Blue Only Mode → Off / On**

  This function is for AV device measurement experts. This function displays the blue signal only by removing the red and green signals from the video signal so as to provide a Blue Filter effect that is used to adjust the Colour and Tint of video equipment such as DVD players, Home Theatres, etc. Using this function, you can adjust the Colour and Tint to preferred values appropriate to the signal level of each video device using the Red / Green / Blue / Cyan / Magenta / Yellow Colour Bar Patterns, without using an additional Blue Filter.

  Blue Only Mode is available when the picture mode is set to **Movie** or **Standard**.

❑ Picture Reset → Reset Picture Mode / Cancel

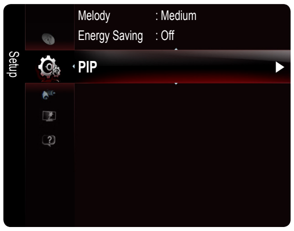
Resets all picture settings to the default values.

Reset Picture Mode: Current picture values return to default settings.

Viewing Picture-in-Picture

You can display a sub picture within the main picture of set programme or video input. In this way, you can watch the picture of set programme or video input from any connected equipment while watching the main picture.

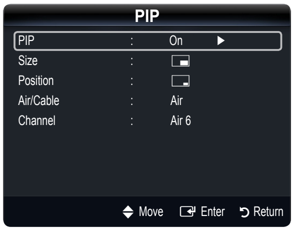
- Press the **TOOLS** button to display the **Tools** menu. You can also configure PIP related settings by selecting **Tools** → **PIP**.
- You may notice that the picture in the PIP window becomes slightly unnatural when you use the main screen to view a game or karaoke.



Melody : Medium
Energy Saving : Off

☐ PIP

Main picture	Sub picture
Component **HDMI1/DVI, HDMI2, HDMI3, HDMI 4** **PC**	TV



PIP : On
Size : ▭
Position : ▭
Air/Cable : Air
Channel : Air 6

- **PIP → Off / On**

  You can activate or deactivate the PIP function.
- **Size → ▭ / ▭ / ◼◼ / ◼◼**

  You can select a size of the sub-picture.
- **Position → ▭ / ▭ / ▭/ ▭**

  You can select a position of the sub-picture.

  In Double (◼◼, ◼◼) mode, **Position** cannot be selected.
- **Air/ Cable**

  Selects either Air or Cable as the input source for the sub-screen.
- **Channel**

  You can select the channel for the sub-screen.
- **Sound Select → Main / Sub**

  You can listen to the sound of the sub (PIP) picture.

  Press the **TOOLS** button to display the Tools menu. You can also set the sound of the sub picture by selecting **Tools** → **PIP** → **Sound Select**.
  - **Main**: Used to listen to the sound of the main picture.
  - **Sub**: Used to listen to the sound of the sub picture.

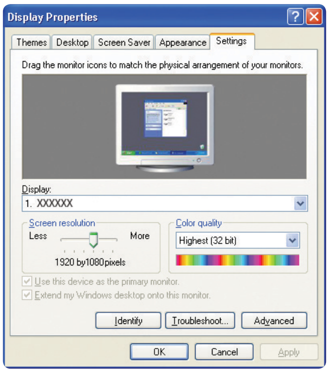
Using Your TV as a Computer (PC) Display

Setting Up Your PC Software (Based on Windows XP)

The Windows display-settings for a typical computer are shown below. The actual screens on your PC will probably be different, depending upon your particular version of Windows and your particular video card. However, even if your actual screens look different, the same basic set-up information will apply in almost all cases. (If not, contact your computer manufacturer or Samsung Dealer.)

1. First, click on ‘Control Panel’ on the Windows start menu.
2. When the control panel window appears, click on ‘Display’ and a display dialogbox will appear.
3. Navigate to the ‘Settings’ tab on the display dialog-box.

- The correct size setting (resolution): Optimum-1920 X 1080 pixels
- If a vertical-frequency option exists on your display settings dialog box, the correct value is ‘60’ or ‘60 Hz’. Otherwise, just click ‘OK’ and exit the dialog box.



Drag the monitor icons to match the physical arrangement of your monitors.
Display: 1. XXXXXX
Screen resolution: 1920 by1080pixels
Color quality: Highest (32 bit)
☑ Use this device as the primary monitor.
☑ Extend my Windows desktop onto this monitor.

Display Modes

Both screen position and size will vary depending on the type of PC monitor and its resolution. The resolutions in the table are recommended.

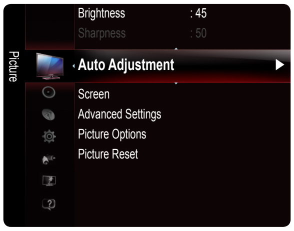
- **D-Sub and HDMI/DVI Input**

Mode	Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H / V)
IBM	640 x 350	31.469	70.086	25.175	+/-
	720 x 400	31.469	70.087	28.322	-/+
MAC	640 x 480	35.000	66.667	30.240	-/-
	832 x 624	49.726	74.551	57.284	-/-
	1152 x 870	68.681	75.062	100.000	-/-
VESA CVT	720 x 576	35.910	59.950	32.750	-/+
	1152 x 864	53.783	59.959	81.750	-/+
	1280 x 720	44.772	59.855	74.500	-/+
	1280 x 960	75.231	74.857	130.000	-/+
	1280 x 720	56.456	74.777	95.750	-/+
VESA DMT	640 x 480	31.469	59.940	25.175	-/-
	640 x 480	37.861	72.809	31.500	-/-
	640 x 480	37.500	75.000	31.500	-/-
	800 x 600	37.879	60.317	40.000	+/+
	800 x 600	48.077	72.188	50.000	+/+
	800 x 600	46.875	75.000	49.500	+/+
	1024 x 768	48.363	60.004	65.000	-/-
	1024 x 768	56.476	70.069	75.000	-/-
	1024 x 768	60.023	75.029	78.750	+/+
	1152 x 864	67.500	75.000	108.000	+/+
	1280 x 1024	63.981	60.020	108.000	+/+
	1280 x 1024	79.976	75.025	135.000	+/+
	1280 x 800	49.702	59.810	83.500	-/+
	1280 x 800	62.795	74.934	106.500	-/+
	1280 x 960	60.000	60.000	108.000	+/+
	1360 x 768	47.712	60.015	85.500	+/+
	1440 x 900	55.935	59.887	106.500	-/+
	1440 x 900	70.635	74.984	136.750	-/+
	1680 x 1050	65.290	59.954	146.250	-/+
VESA GTF	1280 x 720	52.500	70.000	89.040	-/+
	1280 x 1024	74.620	70.000	128.943	-/-
VESA DMT /DTV CEA	1920 x 1080p	67.500	60.000	148.500	+/+

- When using an HDMI / DVI cable connection, you must use the **HDMI IN 1(DVI)** jack.
- The interlace mode is not supported.
- The set might operate abnormally if a non-standard video format is selected.
- Separate and Composite modes are supported. SOG is not supported.
- Too long or low quality VGA cable can cause picture noise at high resolution modes (1920x1080 or 1600x1200).

Setting up the TV with your PC

- Preset: Press the **SOURCE** button to select PC mode.



Brightness : 45
Sharpness : 50

☐ Auto Adjustment

Auto Adjustment allows the PC screen of set to self-adjust to the incoming PC video signal. The values of fine, coarse and position are adjusted automatically.

- Press the **TOOLS** button to display the **Tools** menu. You can also set the Auto Adjustment by selecting **Tools** → **Auto Adjustment**.
- This function does not work in DVI-HDMI mode.

☐ Screen

- **Coarse / Fine**

The purpose of picture quality adjustment is to remove or reduce picture noise. If the noise is not removed by Fine-tuning alone, then adjust the frequency as best as possible (Coarse) and Fine-tune again. After the noise has been reduced, readjust the picture so that it is aligned on the center of screen.

- **PC Position**

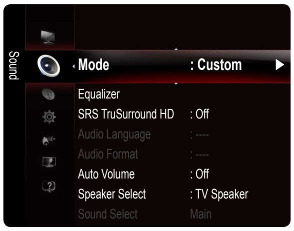
Adjust the PC's screen positioning if it does not fit the TV screen. Press the ▲ or ▼ button to adjusting the Vertical-Position. Press the ◄ or ► button to adjust the Horizontal-Position.

- **Image Reset**

You can replace all image settings with the factory default values.

SOUND CONTROL

Configuring the Sound Menu



Mode : Custom
Equalizer
SRS TruSurround HD : Off
Audio Language : ----
Audio Format : ----
Auto Volume : Off
Speaker Select : TV Speaker
Sound Select Main

❑ Mode → Standard / Music / Movie / Clear Voice / Custom

You can select a sound mode to suit your personal preferences.

- Press the **TOOLS** button to display the **Tools** menu. You can also configure the sound mode by selecting **Tools** → **Sound Mode**.

❑ Equalizer

The sound settings can be adjusted to suit your personal preferences.

■ **Mode**

You can select a sound mode to suit your personal preferences.

■ **Balance**

Controls the balance between the right and left speakers.

■ **100Hz / 300Hz / 1KHz / 3KHz / 10KHz (Bandwidth Adjustment)**

To adjust the level of different bandwidth frequencies

■ **Reset**

Resets the equalizer settings to the default values.

❑ SRS TruSurround HD → Off / On

SRS TruSurround HD is a patented SRS technology that solves the problem of playing 5.1 multichannel content over two speakers. TruSurround delivers a compelling, virtual surround sound experience through any two-speaker playback system, including internal television speakers. It is fully compatible with all multichannel formats.

- Press the **TOOLS** button to display the **Tools** menu. You can also set the SRS TruSurround HD by selecting **Tools** → **SRS TS HD**.

❑ Audio Language (digital channels only)

You can change the default value for audio languages. Displays the language information for the incoming stream.

- While viewing a digital channel, this function can be selected.
- You can only select the language among the actual languages being broadcast.

❑ Audio Format → MPEG / Dolby Digital / Advanced (digital channels only)

When sound is emitted from both the main speaker and the audio receiver, a sound echo may occur due to the decoding speed difference between the main speaker and the audio receiver. In this case, use the TV Speaker function.

- While viewing a digital channel, this function can be selected.
- The **Audio Format** appears according to the broadcasting signal.

❑ Auto Volume → Off / On

Each broadcasting station has its own signal conditions, and so it is not easy to adjust the volume every time the channel is changed. This feature lets you automatically adjust the volume of the desired channel by lowering the sound output when the modulation signal is high or by raising the sound output when the modulation signal is low.

❑ Speaker Select → External Speaker / TV Speaker

If you want to hear the sound through separate speakers, cancel the internal amplifier.

The volume and **MUTE** buttons do not operate when the **Speaker Select** is set to **External Speaker**.

If you select **External Speaker** in the **Speaker Select** menu, the sound settings will be limited.

	TV's Internal Speakers	**Audio Out (Optical, L/R Out) to Sound System**
	RF, AV, Component, PC, HDMI	**RF, AV, Component, PC, HDMI**
TV Speaker	Speaker Output	Sound Output
External Speaker	Mute	Sound Output
Video No Signal	Mute	Mute

❑ Sound Select

When the PIP feature is activated, you can listen to the sound of the sub (PIP) picture.

For detailed procedures on setting up options, refer to page 17.

❑ Sound Reset → Reset All / Reset Sound Mode / Cancel

You can restore the Sound settings to the factory defaults.

Reset Sound Mode: Current sound values return to default settings.

Selecting the Sound Mode

You can set the sound mode in the **Tools** menu. When you set to **Dual I II**, the current sound mode is displayed on the screen.

	Audio Type	**Dual 1 / 2**	**Default**
A2 Stereo	Mono	**MONO**	Automatic change
	Stereo	**STEREO ↔ MONO**	
	Dual	**DUAL 1 ↔ DUAL 2**	**DUAL 1**
NICAM Stereo	Mono	**MONO**	Automatic change
	Stereo	**MONO ↔ STEREO**	
	Dual	**MONO ↔ DUAL 1** **DUAL 2**	**DUAL 1**

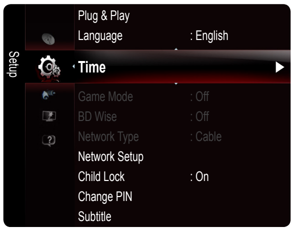
If the stereo signal is weak and an automatic switching occurs, then switch to the mono.

This function is only activated in stereo sound signal. It is deactivated in mono sound signal.

This function is only available in TV mode.

SETUP

Configuring the Setup Menu



Plug & Play
Language : English
Time
Game Mode : Off
BD Wise : Off
Network Type : Cable
Network Setup
Child Lock : On
Change PIN
Subtitle

❑ Plug & Play

Content of Plug & Play, please refer to page 9.

❑ Language → 中文 / English

You can set the menu language you want.

❑ Time

■ Clock

Setting the clock is necessary in order to use the various timer features of the TV.

- The current time will appear every time you press the **INFO** button.
- If you disconnect the power cord, you have to set the clock again.

- **Clock Mode**
  You can set up the current time manually or automatically.
  - **Auto**: Set the current time automatically using the time from the digital broadcast.
  - **Manual**: Set the current time to a manually specified time.
- **Clock Set**
  You can set the current time manually.
  - You can set the day, month, year, hour and minute directly by pressing the number buttons on the remote control.

■ Sleep Timer → Off / 30 min / 60 min / 90 min / 120 min / 150 min / 180 min

The sleep timer automatically shuts off the TV after a preset time (30, 60, 90, 120, 150 and 180 minutes).

- The TV automatically switches to standby mode when the timer reaches 0.
- To cancel the **Sleep Timer** function, select **Off**.
- Press the **TOOLS** button to display the **Tools** menu. You can also set the sleep timer by selecting **Tools** → **Sleep Timer**.

■ Timer 1 / Timer 2 / Timer 3

Three different on / off timer settings can be made. You must set the clock first.

- **On Time**: Set the hour, minute, am/pm, and activate / inactivate. (To activate timer with the setting you've chosen, set to **Activate**.)
- **Off Time**: Set the hour, minute, am/pm, and activate / inactivate. (To activate timer with the setting you've chosen, set to **Activate**.)
- **Volume**: Select the desired turn on volume level.
- **Source** → **TV / USB / TV Memory**
  You can select the TV, TV Memory or USB device content to be played when the TV turns on automatically. Select TV, TV Memory or USB. (Make sure that an USB device is connected to your TV.)
  - When there is only one photo file in the **USB** or the **TV Memory**, Slide Show will not be executed.
- **Antenna** (when **Source** is set to **TV**)
  Select **Air,DTV Air or Cable.**
- **Channel** (when **Source** is set to **TV**)
  Select the desired channel.
- **Contents** (when **Source** is set to **USB** or **TV Memory**)
  You can select a folder on the USB Device/TV Memory with the music or photo files to be played when the TV turns on automatically.
- **Repeat**: Select **Once, Everyday, Mon~Fri, Mon~Sat, Sat~Sun** or **Manual**.
  - When **Manual** is selected, press the ► button to select the desired day of the week. Press the **ENTER** button over the desired day and the ✓ mark will appear.

- You can set the hour, minute and channel by pressing the number buttons on the remote control.
- **Auto Power Off**
  When you set the timer On, the television will eventually turn off, if no controls are operated for 3 hours after the TV was turned on by the timer. This function is only available in timer On mode and prevents overheating, which may occur if a TV is on for too long time.

❑ Game Mode → Off / On

When connecting to a game console such as PlayStation™ or Xbox™, you can enjoy a more realistic gaming experience by selecting game menu.

- Restrictions on game mode (Caution)
  - To disconnect the game console and connect another external device, set **Game Mode** to **Off** in the setup menu.
  - If you display the TV menu in **Game mode**, the screen shakes slightly.
- **Game Mode** is not available in TV and PC mode.
- While PIP is in operation, the **Game Mode** function cannot be used.
- If the picture is poor when external device is connected to TV, check if **Game Mode** is **On**. Set **Game Mode** to **Off** and connect external devices.
- If **Game Mode** is On:
  - Picture Mode changes to **Standard** and Sound Mode changes to **Custom** automatically. The user cannot change these to other modes.
  - Sound Mode in the Sound menu is deactivated. Adjust the sound using the equalizer.
  - The Reset Sound function is activated. Selecting the Reset function after setting the equalizer resets the equalizer setting to the factory defaults.

❑ BD Wise → Off / On

Provides the optimal picture quality for SAMSUNG DVD, BD and HTS products which support WISESYNC. You can enjoy a richer picture when using them connected to the TV.

- Connect SAMSUNG products which support the TV and BD Wise using a HDMI cable.
- When the **BD Wise** set to **On**, the picture mode is automatically changed to the optimal resolution.
- BD Wise is available in HDMI mode.

❑ Network Type / Network Setup

For detailed procedures on setting up options, refer to the descriptions on page 24.

❑ Child Lock → Off / On

This feature allows you to prevent unauthorized users, such as children, from watching unsuitable programme by muting out video and audio.

- Before the setup screen appears, the PIN number input screen appears. Enter your 4 digit PIN number.
- The default PIN number of a new TV set is **0-0-0-0**. You can change the PIN by selecting **Change PIN** from the menu.
- You can lock some channels in Channel List. (refer to page 12)
- **Child Lock** is available only in TV mode.

❑ Change PIN

You can change your personal ID number that is required to set up the TV.

- Before the setup screen appears, the PIN number input screen appears. Enter your 4 digit PIN number.
- The default PIN number of a new TV set is **0-0-0-0**.
- If you forget the PIN code, press the remote control buttons in the following sequence, which resets the PIN to 0-0-0-0:
  POWER (Off) → **MUTE** → 8 → 2 → 4 → **POWER** (On).

Subtitle

You can activate and deactivate the subtitles. Use this menu to set the Subtitle Mode. **Normal** under the menu is the basic subtitle and **Hard of hearing** is the subtitle for a hearing-impaired person.

Subtitle → Off / On

Switches subtitles on or off.

Mode → Normal / Hard of hearing

Sets the subtitle mode.

Subtitle Language

Set the subtitle language.

- If the programme you are watching does not support the **Hard of hearing** function, **Normal** automatically activates even though **Hard of hearing** mode is selected.
- English is the default in cases where the selected language is unavailable in the broadcast.

Preference

Primary Audio Language / Secondary Audio Language / Primary Subtitle Language / Secondary Subtitle Language

Using this feature, users can select one of the languages. The language selected here is the default when the user selects a channel.

If you change the language setting, the Subtitle Language and the Audio Language of the Language menu are automatically changed to the selected language.

The Subtitle Language and the Audio Language of the Language menu show a list of languages supported by the current channel and the selection is highlighted. If you change this language setting, the new selection is only valid for the current channel. The changed setting does not change the setting of the Primary Subtitle Language or the Primary Audio Language of the Preference menu.

Digital Text → Disable / Enable

If the programme is broadcast with digital text, this feature is enabled.

- **MHEG (Multimedia and Hypermedia Information Coding Experts Group)**

An International standard for data encoding systems used in multimedia and hypermedia. This is at a higher level than the MPEG system which includes data-linking hypermedia such as still images, character service, animation, graphic and video files as well as multimedia data. MHEG is user runtime interaction technology and is being applied to various fields including VOD (Video-On-Demand), ITV (Interactive TV), EC (Electronic Commerce), tele-education, tele-conferencing,digital libraries and network games.

- At present, the broadcasting station provides EPG content only. Providing more content is scheduled for the future.
- If **Digital Text** is set to **Disable,** the EPG (Electronic Program Guide) may not work.

Light Effect → Off / In Standby/ Watching TV /Always

You can turn the LED on/off on the front of TV.Turn it off to save power or if the LED bothers you.

Melody → Off / Low / Medium / High

A melody sound can be set to come on when the TV is powered On or Off.

- **The Melody does not play**
  - When no sound is output from the TV because the **MUTE** button has been pressed.
  - When no sound is output from the TV because the (–) Volume button has been pressed.
  - When the TV is turned off by Sleep Timer function.

Energy Saving → Off / Low / Medium / High / Auto

This feature adjusts the brightness of the TV in order to reduce power consumption. When watching TV at night, set the **Energy Saving** mode option to **High** to reduce eye fatigue as well as power consumption.

- Press the **TOOLS** button to display the **Tools** menu. You can also set the Energy Saving option by selecting **Tools** → **Energy Saving**.

PIP

For further details on setting up options, refer to page 17.

Network Connection and setup

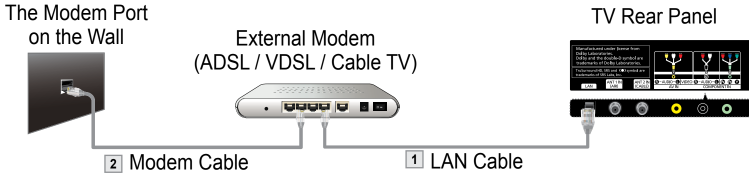
You can set up the Internet Protocol so that you can communicate with various connected networks.

Network Connection - Cable

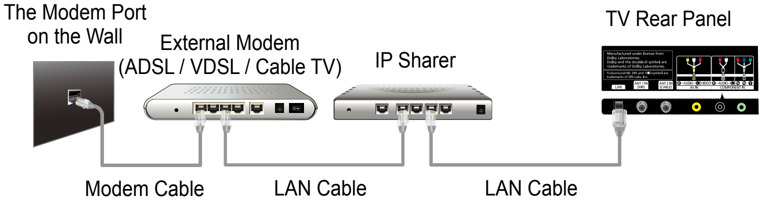
LAN Connection for a DHCP Environment

The procedures to set up the network using Dynamic Host Configuration Protocol (DHCP) are described below. Since an IP address, subnet mask, gateway, and DNS Server are automatically allocated when DHCP is selected, you do not have to enter them manually.

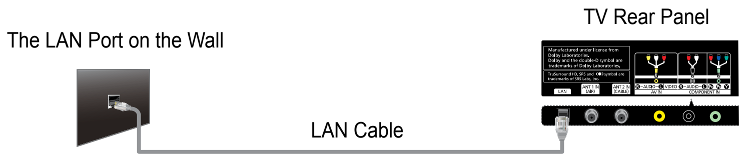
1. Connect the **LAN** port on the rear panel of the TV and the external modem with a LAN Cable.
2. Connect the Modem port on the wall and the external modem with a Modem Cable.


The Modem Port on the Wall
External Modem (ADSL / VDSL / Cable TV)
TV Rear Panel
2 Modem Cable
1 LAN Cable

You can connect the LAN via a Sharer (Router).


The Modem Port on the Wall
External Modem (ADSL / VDSL / Cable TV)
IP Sharer
TV Rear Panel
Modem Cable
LAN Cable
LAN Cable

You can connect the LAN port and the TV directly depending on your network status.

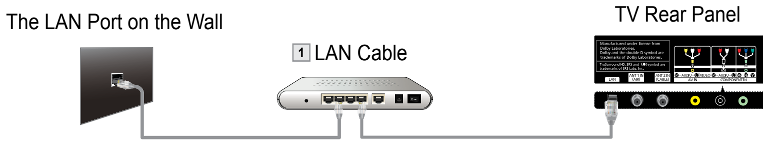


- ✎ The terminals (the position of the port and the type) of the external device may differ depending on the manufacturer.
- ✎ If the IP address allocation by the DHCP server has failed, turn the external modem off, turn it on again after at least 10 seconds and then try again.
- ✎ For the connections between the external modem and the Sharer (Router), refer to the owner's manual of the corresponding product.
- ✎ You can connect the TV to the LAN directly without connecting it through a Sharer (Router).
- ✎ You cannot use a manual-connection-type ADSL modem because it does not support DHCP. You have to use an automatic-connection-type ADSL modem.

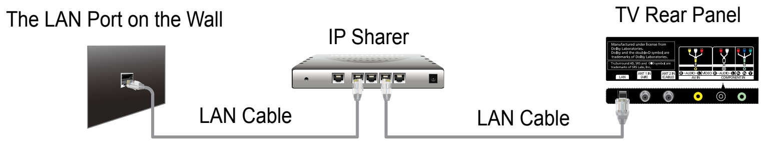
■ LAN Connection for Static IP Environment

The procedures to set up the network using a static IP address are described below. You have to manually enter the IP address, subnet mask, gateway, and DNS Server that are provided by your Internet Service Provider (ISP).

Connect the **LAN** port on the rear panel of the TV and the LAN port on the wall using the LAN cable.



You can connect the LAN via a Sharer (Router).

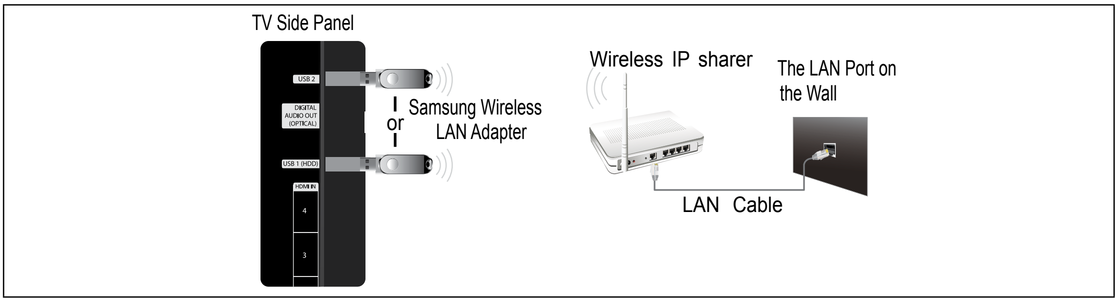


- ✎ The terminals (the position of the port and the type) of the external device may differ depending on the manufacturer.
- ✎ If you are using a static IP address, your ISP will inform you of the IP address, subnet mask, gateway, and DNS Server. You must enter these values to complete the network settings. If you do not know the values, ask your network administrator.
- ✎ For the information on how to configure and connect a Sharer (Router), refer to the owner's manual for the corresponding product.
- ✎ You can connect the TV to the LAN directly without connecting it through a Sharer (Router).
- ✎ If you use an IP Sharer (IP Router) that supports DHCP, you can set up the device as either DHCP or static IP.
- ✎ For the procedures to use a static IP address, ask your Internet Service Provider.

Network Connection - Wireless

You can connect to the network wirelessly through a wireless IP sharer.

Connect the ‘Samsung Wireless LAN Adapter’ into the **USB1(HDD)** or **USB2** terminal of the TV.



- You must use the ‘Samsung Wireless LAN Adapter’to use a wireless network.
- Samsung’s Wireless LAN adapter sold separately. The Wireless LAN adapter is offered by select retailers, Ecommerce sites and Samsungparts.com.
- To use a wireless network, your TV must be connected to a wireless IP sharer. If the wireless IP sharer supports DHCP, your TV can use a DHCP or static IP address to connect to the wireless network.
- Samsung’s Wireless LAN adapter supports IEEE 802.11A, IEEE 802.11B, IEEE 802.11G, IEEE 802.11N. When you play DLNA video over IEEE 802.11B/G connection, the video may not be played smoothly.
- If the wireless IP sharer allows you to turn on / off the Ping connection function, turn it on.
- Select a channel for the wireless IP sharer that is not currently being used. If the channel set for the wireless IP sharer is currently being used by another device nearby, this will result in interference and communications may fail.
- If you apply a security system other than the systems listed blow, it will not work with the TV.
  - When applying the security key for the AP (wireless IP sharer), only the following is supported.
    1) Authentication Mode : OPEN, SHARED, WPAPSK, WPA2PSK
    2) Encryption Type : WEP, TKIP, AES
  - When applying the security key for the Ad-hoc mode, only the following is supported.
    1) Authentication Mode : SHARED, WPANONE
    2) Encryption Type : WEP, TKIP, AES
- If the device isn’t certified, it may not connect to TV by the ‘Samsung Wireless LAN Adapter’.

❑ Network Type

Select Cable or Wireless as the method to connect to the network.

- The menu is activated only if the ‘Samsung Wireless LAN Adapter’ is connected.

■ Cable

Connect to the network using a cable.

■ Wireless

Connect to the network wirelessly.

❑ Network Setup

■ Cable Network Setup (when Network Type is set to Cable)

- Please check if the LAN cable is connected.

● **Internet Protocol Setup → Auto Setup / Manual Setup**

● **Network Test**: You can test or confirm the network connection status after setting up the network.

- When unable to connect to a wired network

  If your Internet service provider has registered the MAC address of the device used to connect to the Internet for the first time and authenticates the MAC address each time you connect to the Internet, your TV may not be able to connect to the Internet as the MAC address differs from that of the device (PC). In this case, ask your Internet service provider about the procedures to connect devices other than your PC (such as your TV) to the Internet. If your Internet service provider requires an ID or password to connect to the Internet (network), your TV may not be able to connect to the Internet. In this case, you have to enter your ID or password when connecting to the Internet using an Internet Sharer (Router).

  The internet connection may fail due to a firewall problem. In this case, contact your Internet service provider. If you cannot connect to the Internet even if you have followed the procedures of your Internet service provider, please contact the Samsung Electronics Service Centre.

Cable Network Setup-Auto Setup

If you connect the LAN cable and it supports DHCP, the Internet Protocol (IP) Settings are automatically configured. Please check if the LAN cable is connected.

1. Set **Network Type** to **Cable**.
2. Select **Network Setup**.
3. Set **Internet Protocol Setup** to **Auto Setup**.
   - ✎ The Internet Protocol is set automatically.
4. Select **Network Test** to check the network connectivity.

Cable Network Setup-Manual Setup

To connect the TV to the LAN using a static IP address, you must set up the Internet Protocol (IP). Please check if the LAN cable is connected.

1. Set **Network Type** to **Cable**.
2. Select **Network Setup**.
3. Set **Internet Protocol Setup** to **Manual Setup**.
4. Set up **IP Address**, **Subnet Mask**, **Gateway** and **DNS Server**.
   - ✎ Press the number buttons on the remote control when you set the Network manually.
5. Select **Network Test** to check the network connectivity.

■ **Wireless Network Setup (when Network Type is set to Wireless)**

The menu is activated only if the ‘Samsung Wireless LAN Adapter’ is connected.

- **Internet Protocol Setup → Auto Setup / Manual Setup**
- **Network Test**: You can test or confirm the network connection status after setting up the network.
  - ✎ When unable to connect to an AP

    Your TV may fail to locate an AP that is configured as a private SSID type. In this case, please change the AP settings and try again. If your Internet service provider has registered the MAC address of the device used to connect to the Internet for the first time and authenticates the MAC address each time you connect to the Internet, your TV may not be able to connect to the Internet as the MAC address differs from that of the device (PC). In this case, ask your Internet service provider about the procedures to connect devices other than your PC (such as your TV) to the Internet. If you cannot connect to the Internet even if you have followed the procedures of your Internet service provider, please contact the Samsung Electronics Service Centre.
- **Select a network**
  - – Access Point: You can select the IP sharer to use when using a wireless network.
    - ✎ If a wireless Access Point is not in the Access Point list, press the Red button.
    - ✎ When the connection is made, you will be returned to the screen automatically.
    - ✎ If you have selected an Access Point with a security authentication: The Security Key input screen appears. Enter the security key and press the Blue button on the remote control.
    - ✎ If security encryption type is WEP, 0~9, A~F will be available when you input security key.

Wireless Network Setup-Auto Setup

If you want to connect AP, AP should support DHCP. Only devices which support Ad-hoc mode can be connected without DHCP.

1. Set **Network Type** to **Wireless**.
2. Select **Network Setup**.
3. Set **Internet Protocol Setup** to **Auto Setup**.
   - The Internet Protocol is set automatically.
4. Select a network through **Select a network**.
5. Select **Network Test** to check the network connectivity.

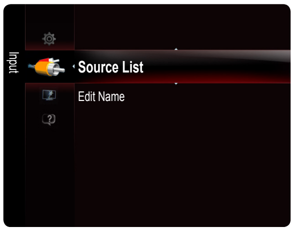
Wireless Network Setup-Manual Setup

1. Set **Network Type** to **Wireless**.
2. Select **Network Setup**.
3. Set **Internet Protocol Setup** to **Manual Setup**.
4. Set up **IP Address, Subnet Mask, Gateway** and **DNS Server**.
   - Press the number buttons on the remote control when you set the Network manually.
5. Select a network through **Select a network**.
6. Select **Network Test** to check the network connectivity.

INPUT / SUPPORT

Configuring the Input Menu

❑ Source List



Use to select TV or other external input sources such as DVD / Blu-ray players / Satellite receivers (Set-Top Box) connected to the TV. Use to select the input source of your choice.

- Press the **SOURCE** button on the remote control to view an external signal source. TV mode can be selected by pressing the **TV** button, and the **P ∧/∨** button on the remote control.

■ **TV / AV/Component / PC / HDMI1/DVI / HDMI2 / HDMI3 / HDMI4 / USB**

- You can choose only those external devices that are connected to the TV. In the **Source List**, connected inputs will be highlighted and sorted to the top. Inputs that are not connected will be sorted to the bottom(except PC source).
- If USB devices are connected to the **USB1(HDD)** and **USB2** jacks, they are displayed as USB1 and USB2 in order.
- **Using the Colour buttons on the remote with the Source list**
  - **Red** (**Refresh**): Refreshes the connecting external devices.
  - **TOOLS** (**Tools**): Displays the **Edit Name** and **Information** menus.

❑ Edit Name

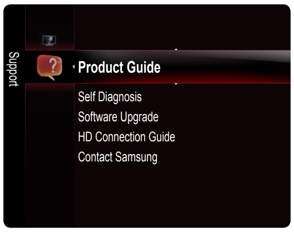
Name the device connected to the input jacks to make your input source selection easier.

■ **VCR / DVD / Cable STB / Satellite STB / PVR STB / AV Receiver / Game / Camcorder / PC / DVI / DVI PC / TV / IPTV / Blu-ray / HD DVD / DMA**

Configuring the Support Menu

❑ Product Guide

The Product Guide gives you information on the most important features of this TV.
The descriptions provided by this function are in English only.



- **Picture Quality**
  - **Full HD 1080p**
  - **Mega Contrast**
  - **100Hz Motion Plus**
  - **Picture Mode**
- **Medi@2.0**
  - **Internet@TV-Content Service**
  - **Content Library Flash**
  - **USB2.0 Movie**
  - **DLNA Wireless**
- **Eco-Friendly**
  - **Energy Saving Mode**
  - **Eco-Material**

❑ Self Diagnosis

■ **Picture Test**

If you think you have a picture problem, perform the picture test. Check the colour pattern on the screen to see if the problem still exists.

- **Yes**: If the test pattern does not appear or there is noise in the test pattern, select **Yes**. There may be a problem with the TV. Contact Samsung's call center for assistance.
- **No**: If the test pattern is properly displayed, select **No**. There may be a problem with your external equipment. Please check your connections. If the problem still persists, refer to the external device's user manual.

Sound Test

If you think you have a sound problem, please perform the sound test. You can check the sound by playing a built-in melody sound through the TV.

- If you hear no sound from the TV's speakers, before performing the sound test, make sure **Speaker Select** is set to **TV speaker** in the Sound menu.
- The melody will be heard during the test even if **Speaker Select** is set to **External Speaker** or the sound is muted by pressing the **MUTE** button.
- **Yes**: If during the sound test you can hear sound only from one speaker or not at all, select **Yes**. There may be a problem with the TV. Contact Samsung's call center for assistance.
- **No**: If you can hear sound from the speakers, select **No**. There may be a problem with your external equipment. Please check your connections. If the problem still persists, refer to the external device's user manual.

Signal Information (digital channels only)

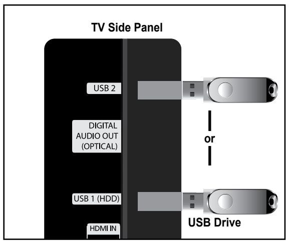
Unlike analogue channels, which can vary in reception quality from 'snowy' to clear, digital (HDTV) channels have either perfect reception quality or you will not receive them at all. So, unlike analogue channels, you cannot fine tune a digital channel. You can, however, adjust your antenna to improve the reception of available digital channels.

- If the signal strength meter indicates that the signal is weak, physically adjust your antenna to increase the signal strength. Continue to adjust the antenna until you find the best position with the strongest signal.

Software Upgrade

To keep your product up-to-date with new Digital Television features then software upgrades are periodically broadcast as part of the normal Television signal. It will automatically detect these signals and display the software upgrade banner. You are given the option to install the upgrade.

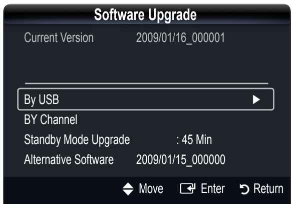
- Current Version shows version of the software being installed in the TV.
- Alternative Software shows the previous version that can be replaced.
- Software is represented as 'Year/Month/Day_Version'. The more recent the date, the newer the software version. Installing the latest version is recommended.



By USB

Insert a USB drive containing the firmware upgrade into TV. Please be careful to not disconnect the power or remove the USB drive while upgrades are being applied. The TV will turn off and turn on automatically after completing the firmware upgrade. Please check the firmware version after the upgrades are complete. When software is upgraded, video and audio settings you have made will return to their default (factory) settings.

We recommend you write down your settings so that you can easily reset them after the upgrade.



Software Upgrade

Current Version 2009/01/16_000001

By USB ▶

BY Channel

Standby Mode Upgrade : 45 Min

Alternative Software 2009/01/15_000000

By Channel

Upgrades the software using the broadcasting signal.

- If the function is selected during the software transmission period, this function searches for available software and downloads the software.
- The time required to download the software is determined by the signal status.

Standby Mode Upgrade

To continue software upgrade with master power on, Select On by pressing the ▲ or ▼ button. 45 minutes after entering standby mode, a manual upgrade is automatically conducted. Since the power of the unit is turned on internally, the screen may be on slightly for the LED product. This phenomenon may continue for more than 1 hour until the software upgrade is completed.

Alternative Software

If Alternative Software is existing, this menu will be activated. You can change the software to previous version.

- If software was changed, existing software is displayed.
- You can change current software to alternative software by 'Alternative Software'.

HD Connection Guide

This menu presents the connection method that provides the optimal quality for the HD TV.

Refer to this information when connecting external devices to the TV.

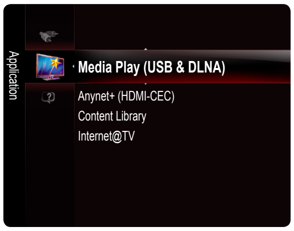
Contact Samsung

View this information when your TV does not work properly or when you want to upgrade the software.

You can view the information regarding the call center, product and software file download method.

MEDIA PLAY (USB & DLNA)

Connecting a USB Device



1. Press the **POWER** button to turn the TV on.
2. Connect a USB device containing photo, music and/or movie files to the **USB1(HDD)** or **USB2** jack on the side of the TV.
3. When the **Application** selection screen is displayed, press the **ENTER↵** button to select **Media Play (USB & DLNA)**.
   - MTP (Media Transfer Protocol) is not supported.
   - The file system supports FAT16, FAT32 and NTFS.
   - Certain types of USB Digital camera and audio devices may not be compatible with this TV.
   - **Media Play** only supports USB Mass Storage Class devices (MSC). MSC is a Mass Storage Class Bulk-Only Transport device. Examples of MSC are Thumb drives, Flash Card Readers and USB HDD (USB HUB are not supported.).
   - Please connect directly to the USB port of your TV. If you are using a separate cable connection, there may be a USB compatibility problem.
   - Before connecting your device to the TV, please back up your files to prevent them from damage or loss of data. SAMSUNG is not responsible for any data file damage or data loss.
   - Connect a USB HDD to the dedicated port, **USB1 (HDD)** port. However, if the connected device requires high power, the **USB1 (HDD)** may fail to support the device.
   - Do not disconnect the USB device while it is loading.
   - MSC supports MP3 and JPEG files, while a PTP device supports JPEG files only.
   - The higher the resolution of the image, the longer it takes to display on the screen.
   - The maximum supported JPEG resolution is 15360X8640 pixels.
   - For unsupported or corrupted files, the 'Not Supported File Format' message is displayed.
   - If sort key is set to Basic View, up to 1000 files can be displayed in each folder. The other sort key can display up to 10000 files.
   - MP3 files with DRM that have been downloaded from a non-free site cannot be played. Digital Rights Management (DRM) is a technology that supports the creation of content, the distribution and management of the content in an integrated and comprehensive way, including the protection of the rights and interests of the content providers, the prevention of the illegal copying of contents, as well as managing billings and settlements.
   - When moving to a photo, loading may take a few seconds. At this point, the loading icon will appear at the screen.
   - If more than 2 PTP devices are connected, you can only use one at a time.
   - If more than one MSC device is connected, some of them may not be recognized. If a device requires high power (more than 500mA or 5V), the USB device may not be supported.
   - If a over-power(Fail add new device USB1/USB2 Power Overload) warning message is displayed while you connecting or using a USB device, the device may not be recognized or may malfunction.

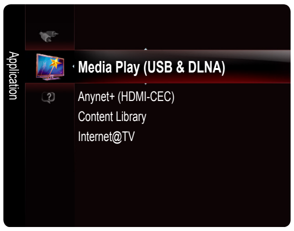
Using the Remote Control Button in Media Play Menu

Button	Operations
▲/▼/◄/►	Move the cursor and select an item.
ENTER↵	Select the currently selected item. While playing a slide show, movie, or music file: - Pressing the **ENTER↵** button during play pauses the play. - Pressing the **ENTER↵** button during pause resumes the play.
▶/⏸	Play or pause the Slide Show, music or movie.
RETURN	Return to the previous menu.
TOOLS	Run various functions from the Photo, Music and Movie menus.
■	Stop the current slide show, Music or Movie file.
⏪/⏩	Jump to previous group / Jump to next group.
INFO	Show file information.
MEDIA.P	Exit **Media Play** mode.
∧ P ∨, TV	Stop **Media Play** mode and Returns to TV mode.

Media Play Function

This function enables you to view and listen to photo, music and/or movie files saved on a USB Mass Storage Class (MSC) device.

Entering the Media Play (USB & DLNA) Menu


Application
Media Play (USB & DLNA)
Anynet+ (HDMI-CEC)
Content Library
Internet@TV

1. Press the **MENU** button. Press the ▲ or ▼ button to select **Application**, then press the **ENTER**↵ button.
2. Press the ▲ or ▼ button to select **Media Play (USB & DLNA)**, then press the **ENTER**↵ button.
   - ✎ The **Media Play (USB & DLNA)** menu is displayed.
   - ▣ Press the **MEDIA.P** button on the remote control to display the Media Play menu.
   - ▣ Press the **SOURCE** button on the remote control to view the source list. Then Press the ▲ or ▼ button to select **USB**, then press the ▲ or ▼ button to select **Media Play**.
3. Press the Red button, then press the ▲ or ▼ button to select the TV Memory or USB Memory. Press the **ENTER**↵ button.
   - ✎ This function differs depending on the TV Memory / USB Memory Device / DLNA server.
   - ✎ The selected USB device name appears at the bottom left of the screen.
4. Press the ◄ or ► button to select an icon (**Photo, Music, Movie, Setup**), then press the **ENTER**↵ button.
   - ✎ To exit **Media Play** mode, press the **MEDIA.P** button on the remote control.

Removing a USB Memory Device Safely

You can remove the device safely from the TV.

1. Press the **TOOLS** button in the Media Play file list screen, or while a Slide Show, music or movie is being played.
2. Press the ▲ or ▼ button to select **Remove Safely**, then press the **ENTER**↵ button.
3. Remove the USB device from the TV.

Screen Display

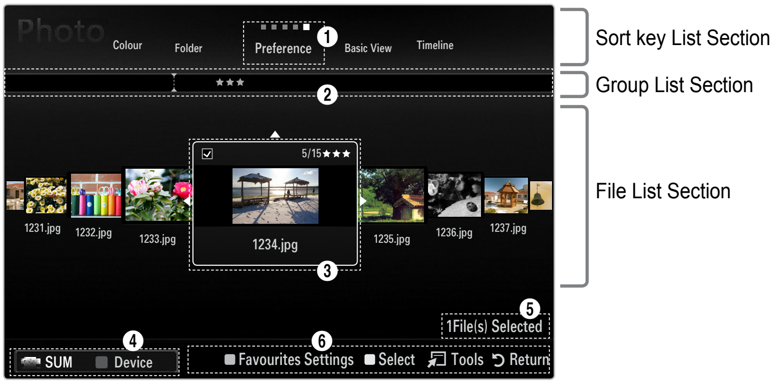


Photo
Colour
Folder
Preference
Basic View
Timeline
★★★
5/15★★★
1231.jpg
1232.jpg
1233.jpg
1234.jpg
1235.jpg
1236.jpg
1237.jpg
1File(s) Selected
SUM
Device
Favourites Settings
Select
Tools
Return
1
2
3
4
5
6
Sort key List Section
Group List Section
File List Section

Move to either 'Sort key List Section', 'Group List Section' or 'File List Section' using the Up and Down buttons. After selecting a section, press the ◄ or ► buttons to select an item.

❶ Current Sort key: This field shows the current standard for sorting files. Press the ◄ or ► button to change the standard for sorting files.

❷ View Groups: Shows the detailed groups of the files sorted according to the selected Sort key. The sort group where the currently selected file is contained is highlighted.

❸ Currently selected file: The selected file is the file you can now control. Photo and movie files are displayed as thumbnail images. (Some photo and movie files can not be displayed as thumbnail images.)

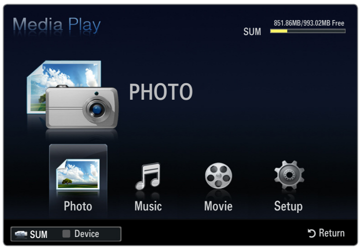
❹ Current Device: Shows the currently selected device name. Press the Red button to select a device.
- Red (**Device**) button: Selects a connected device.

❺ Item Selection Information: Shows the number of files that are selected by pressing the Yellow button.

❻ Help Items
- Green (**Favourites Settings**) button: Changes the Favourites Settings for the selected file. Press this button repeatedly until the desired value appears.
- Yellow (**Select**) button: Selects file from the file list. Selected files are marked with a symbol ✓. Press the yellow button again to cancel a file selection.
- **TOOLS** (**Tools**) button: Displays the option menu. (The option menu changes according to the current status.)

Sorting the Photo List

You can sort photos in the Photo List by a particular standard.


Media Play
SUM
851.86MB/993.02MB Free
PHOTO
Photo
Music
Movie
Setup
SUM
Device
Return

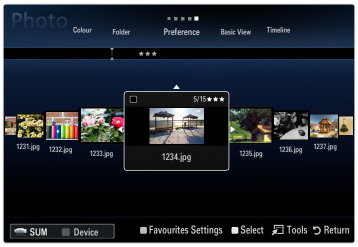


Photo
Colour
Folder
Preference
Basic View
Timeline
★★★
5/15★★★
1231.jpg
1232.jpg
1233.jpg
1234.jpg
1235.jpg
1236.jpg
1237.jpg
SUM
Device
Favourites Settings
Select
Tools
Return

1. Press the **MEDIA.P** button.
2. Press the ◄ or ► button to select **Photo**, then press the **ENTER** ↵ button.
3. Press the ▲ button to move to the Sort key Section.
4. Press the ◄ or ► button to select a sorting standard. (**Basic View, Timeline, Colour, Folder, Preference**)
   - ✎ The photos are sorted according to the newly selected sorting standard.
5. Press the ▼ button to move to the File List Section. Press the ► (Play)/ **ENTER** ↵ button to start the Slide Show in the order you selected.
   - ✎ To move to the previous/next group, press the ◄◄ (REW) or ►► (FF) button.
   - ✎ Photo information is automatically set. The colour information extracted from a photo file may be different from your expectations. You can change the colour and preference.
   - ✎ PTP does not support folder sort mode.

❑ Basic View

Shows the folders on the USB memory device. If you select a folder and press the **ENTER** ↵ button, only the photo files contained in the selected folder are displayed.

✎ When sorted according to the **Basic View**, you cannot set Favourites files.

❑ Timeline

Sorts photos by date. It sorts by year and month from the earliest photo.

❑ Colour

Sorts photos by colour. You can change the photo colour information.

✎ You should set the **Use Colour View** to **On** in the **Setup** menu before sorting photos by colour.

❑ Folder

Sorts photos by folder. If there are many folders in USB, the photos files are shown in order in each folder. The photo file in the Root folder is shown first and the others are shown in alphabetical order by name.

❑ Preference → ☆☆☆ / ☆☆★ / ☆★★ / ★★★

Sorts photos by preference (Favourites). You can change the photo preferences.

✎ **Changing the Favourites Settings**

Select the desired photo in the Photo list, then press the Green button repeatedly until the desired setting appears.

✎ Up to 3 stars can be selected.

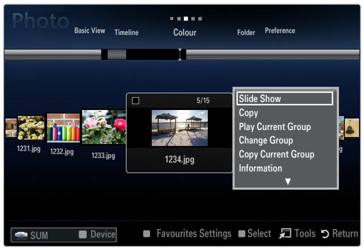
✎ The stars are for grouping purposes only. For example, the 3 star setting does not have any priority over the one star setting.

Photo List Option Menu

1. Press the **MEDIA.P** button.
2. Press the ◄ or ► button to select **Photo**, then press the **ENTER** ↵ button.
3. Press the ◄ or ► button to select the desired photo file.
   - ✎ Selecting Multiple Photos
     Press the ◄ or ► button to select the desired photo file. Then press the Yellow button.
     Repeat the above operation to select multiple photo files.
     The mark ✓ appears to the selected photo file.
4. Press the **TOOLS** button.
   - ✎ The option menu changes according to the current status.

❑ Slide Show

Using this menu, you can play a SlideShow using the photo files on the USB memory device.



❑ Copy / Copy Current Group / Copy selected file (When multiple files are selected)

Select a photo you want to copy. (Alternatively, select multiple files by pressing the Yellow button.) Press the **TOOLS** button to select **Copy** (or **Copy Current Group / Copy selected file**). The files on the USB device are saved to the TV memory.

✎ You can only copy the files saved on the USB device.

✎ When the TV memory is full, files cannot be copied.

❑ Delete / Delete All / Delete Selected File (When multiple files are selected)

Select a photo to delete. (Alternatively, select multiple files by pressing the Yellow button.) Press the **TOOLS** button to select **Delete** (or **Delete All / Delete Selected File**). The files saved in the TV memory are deleted.

✎ You can only delete the files saved in the TV memory.

✎ You cannot recover a deleted file.

❑ Play Current Group

Using this menu, you can play a SlideShow using only the photo files in the currently selected sorting group.

❑ Change Group (When the Sort key is the Colour)

You can change a selected photo file's (or group of files) colour information in order to move it from one colour group to another.

✎ This does not change the actual colour of the photo.

✎ The group information of the current file is updated and the photos are moved to the new colour group.

✎ To change the information of multiple files, select the files you want by pressing the Yellow button.

❑ Deselect All (When at least one file is selected)

You can deselect all files.

☞ The ✓ mark indicating the corresponding file is selected is hidden.

❑ Information

The photo file information including the name, the size, the resolution, the date modified and the path is displayed.

✎ You can view the information of photo files during a SlideShow using the same procedures.

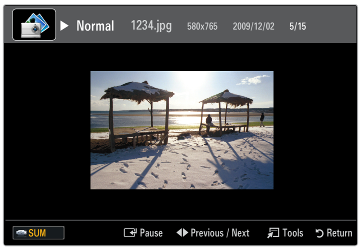
☞ Press the **INFO** button to viewing the information.

❑ Remove Safely

You can remove the device safely from the TV.

Viewing a Photo or Slide Show

Viewing a Slide Show



1. Press the ◄ or ► button to select a file.
2. Press the **TOOLS** button.
3. Press the ▲ or ▼ button to select **Slide Show**, then press the **ENTER**⏎ button.
   - ✎ All files in the photo list will be used for the Slide Show.

✎ During the slide show, files are displayed in order from the currently shown file.

✎ The Slide Show progresses in the order sorted in the Photo list.

✎ Music files can be automatically played during the Slide Show if the **Background Music** is set to **On**.

☞ While a photo list is displayed, press the ►(Play)/**ENTER**⏎ button on the remote control to start slide show.

✎ **SlideShow Control Buttons**

Button	Operations
ENTER⏎	Play/Pause the Slide Show.
►	Play the Slide Show.
❚❚	Pause the Slide Show.
■	Exit Slide Show and return to the photo list.
◄◄/►►	Change the SlideShow playing speed.
TOOLS	Run various functions from the Photo menus.

Playing current group

1. Press the ▲ button to move to the Sort key Section.
2. Press the ◄ or ► button to select a sorting standard.
3. Press the ▼ button to move to the Group List Section.
4. Select a group using the ◄ and ► buttons.
5. Press the ► (Play) button. A slideshow begins with the files of the selected group.

- **Alternatively**

1. Select a Sort key and then in the File List Section, select the photos contained in the desired group.
   - ✎ To move to the previous/next group, press the ◄◄ (REW) or ►► (FF) button.
2. Press the **TOOLS** button.
3. Press the ▲ or ▼ button to select **Play Current Group**, then press the **ENTER**⏎ button.
   - ✎ Only the photos in the sorting group including the selected files will be used for the Slide Show.

To perform a Slide Show with only the selected files

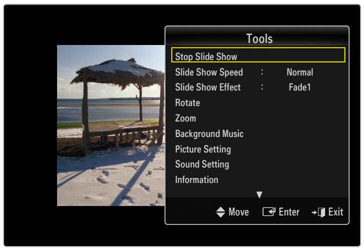
1. Press the ◄ or ► button to select the desired photo in the Photo list.
2. Press the Yellow button.
3. Repeat the above operation to select multiple photos.
   - ✎ The ✓ mark appears to the left of the selected photo.
   - ✎ If you select one file, the Slide Show will not be performed.
   - ✎ To deselect all selected files, press the **TOOLS** button and select **Deselect All**.
4. Press the ► (Play)/**ENTER**⏎ button.
   - ✎ The selected files will be used for the Slide Show.

- **Alternatively**

1. In the Photo List, press the Yellow buttons to select the desired photos.
2. Press the **TOOLS** button.
3. Press the ▲ or ▼ button to select **Slide Show**, then press the **ENTER**⏎ button.
   - ✎ The selected files will be used for the Slide Show.

Slide Show Option Menu

1. During a slide show (or viewing a photo), press the **TOOLS** button to set the option.
2. Press the ▲ or ▼ button to select the desired option, then press the **ENTER**⏎ button.



Slide Show Speed : Normal
Slide Show Effect : Fade1

❑ Stop Slide Show / Start Slide Show

You can start or stop a SlideShow.

❑ Slide Show Speed → Slow / Normal / Fast

You can select the slide show speed.

✎ This function is available only during a slide show.

✎ You can also change the speed of the Slide Show by pressing the ◀◀ (REW) or ▶▶ (FF) button during the Slide Show.

❑ Slide Show Effect

You can select the screen transition effect used in the slideshow.

■ **None / Fade1 / Fade2 / Blind / Spiral / Checker / Linear / Stairs / Wipe / Random**

✎ This function is available only during a slide show.

❑ Rotate

You can rotate photos saved on a USB memory device.

✎ Whenever you press the ◀ button, it rotates by 270˚, 180˚, 90˚, and 0˚.

✎ Whenever you press the ▶ button, it rotates by 90˚, 180˚, 270˚, and 0˚.

✎ The rotated file is not saved.

❑ Zoom

You can magnify photos saved on a USB memory device. (x1 → x2 → x4)

✎ To move the enlarged photo image, press the **ENTER**⏎ button, then press the ▲/▼/◀/▶ buttons. Note that when the enlarged picture is smaller than the original screen size, the location change function doesn't work.

✎ The enlarged file is not saved.

❑ Background Music

You can select background music when watching a Slide Show.

✎ To use this feature, there must be music and photo files stored on the USB device.

✎ Loading music files is needed to change BGM mode. Play music files in music category to load.

■ **Background Music → Off / On**

- **Off**: Background music is not played.
- **On**: When the background music is available, if you select **On**, the music is played back.

■ **BGM Mode → Mood / Selected File / Shuffle**

You can select a mode to use for the background music.

■ **BGM Mood → Energetic / Rhythmical / Sad / Exciting / Calm / Unclassified**

Music with the mood you selected is set as the background music.

✎ If you set **BGM Mode** to **Mood**, you can select a mood.

■ **Select Music File (0 File(s) Selected)**

Only the selected music file is set as the background music.

✎ If you set **BGM Mode** to **Selected File**, you can select a music file.

❑ Picture Setting / Sound Setting

You can select the picture and sound settings.

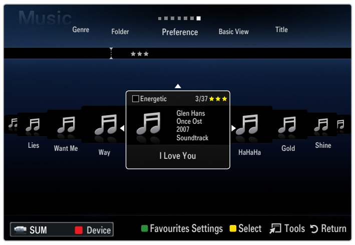
❑ Information

The photo file information is displayed.

❑ Remove Safely

You can remove the device safely from the TV.

Sorting the Music List


Music
Genre
Folder
Preference
Basic View
Title
★★★
☐ Energetic
3/37 ★★★
Glen Hans
Once Ost
2007
Soundtrack
I Love You
Lies
Want Me
Way
HaHaHa
Gold
Shine
SUM
🟥 Device
🟩 Favourites Settings
🟨 Select
Tools
Return

You can sort music files in the Music List by a particular standard.

1. Press the **MEDIA.P** button.
2. Press the ◄ or ► button to select **Music**, then press the **ENTER** ⏎ button.
3. Press the ▲ button to move to the Sort key Section.
4. Press the ◄ or ► button to select a sorting standard. (**Basic View, Title, Artist, Mood, Genre, Folder, Preference**)
   - ✎ The Music files are sorted according to the newly selected sorting standard.
5. Press the ▼ button to move to the File List Section. Press the **ENTER** ⏎ button to start playing music in the order selected by the user.
   - ✎ To move to the previous/next group, press the ◄◄ (REW) or ►► (FF) button.
   - ✎ Music information is automatically set. The mood information extracted from a music file may differ from the expectations of the user. You can change the mood and preference.
   - ✎ If there is no title information for a music file, the filename is displayed.
   - ✎ If no information is available for the Artist, Album, or Genre the corresponding item is displayed as No singer,No Album or No Genre.

❑ Basic View

Shows the folders of the USB memory device. If you select a folder and press the ►**(Play)** button, only the music files contained in the selected folder are displayed.

✎ When sorted according to the **Basic View**, you cannot set Favourites files.

❑ Title

Sorts the music titles in symbol/number/alphabet/special order, and shows the music files.

❑ Artist

Sorts the music file by artist in symbol/number/alphabet/special order.

❑ Mood → Energetic / Rhythmical / Sad / Exciting / Calm / Unclassified

Sorts music files by the mood. You can change the music mood information.

❑ Genre

Sorts music files by the genre.

❑ Folder

It sorts music files by the folder. If there are many folders in USB, the files are shown in order in each folder. The music file in the Root folder is shown first and the others are shown in alphabetical order by name.

❑ Preference → ☆☆☆ / ☆☆★ / ☆★★ / ★★★

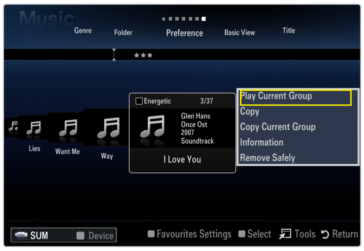
Sorts music files by preference (Favourites). You can change the music files preferences.

✎ Changing the Favourites Settings
Select the desired music file in the Music list, then press the Green button repeatedly until the desired setting appears.

✎ Up to 3 stars can be selected.

✎ The stars are for grouping purposes only. For example, the 3 star setting does not have any priority over the one star setting.

Music List Option Menu


Music
Genre
Folder
Preference
Basic View
Title
★★★
☐ Energetic
3/37
Glen Hans
Once Ost
2007
Soundtrack
I Love You
Lies
Want Me
Way
Play Current Group
Copy
Copy Current Group
Information
Remove Safely
SUM
Device
Favourites Settings
Select
Tools
Return

1. Press the **MEDIA.P** button.
2. Press the ◄ or ► button to select **Music**, then press the **ENTER** ⏎ button.
3. Press the ◄ or ► button to select the desired Music file.
   - ✎ Selecting Multiple Music Files
     Press the ◄ or ► button to select the desired music file. Then press the Yellow button.
     Repeat the above operation to select multiple music files.
     The mark ✓ appears to the selected music file.
4. Press the **TOOLS** button.
   - ✎ The option menu changes according to the current status.

❑ Play Current Group

Using this menu, you can only play music files in the currently selected sorting group.

❑ Copy / Copy Current Group / Copy selected file (When multiple files are selected)

Select the music to copy. (Alternatively, select multiple files by pressing the Yellow button.) Press the **TOOLS** button to select **Copy** (or **Copy Current Group / Copy selected file**). The files on the USB device are saved to the TV memory.

- You can only copy the files saved on the USB device.
- When the TV memory is full, files cannot be copied.

❑ Delete / Delete All / Delete Selected File (When multiple files are selected)

Select the file to delete. (Alternatively, select multiple files by pressing the Yellow button.) Press the **TOOLS** button to select **Delete** (or **Delete All / Delete Selected File**). The files are deleted.

- You can only delete the files saved in the TV memory.
- You cannot recover a deleted file.

❑ Change Group (When the Sort key is Mood)

You can change the mood information of music files.

The group information of the current file is updated and the file is moved to the new group.

- To change the information of multiple files, select files by pressing the yellow button.

❑ Deselect All (When at least one file is selected)

You can deselect all files.

- The ✓ mark indicating the corresponding file is selected is hidden.

❑ Information

The music file information including the name, the size, the date modified and the path is displayed.

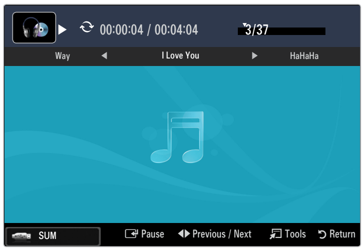
- You can view the music file information during **Play Current Group** using the same procedures.
- Press the **INFO** button to viewing the information.

❑ Remove Safely

You can remove the device safely from the TV.

Playing a Music

Playing a music file



1. Press the ◄ or ► button to select a music file to be played.
2. Press the ▶ (Play)/**ENTER**⏎ button.
   - This menu only shows files with the MP3 file extension. Files with other file extensions are not displayed, even if they are saved on the same USB device.
   - The selected file is displayed at the top with its playing time.
   - To adjust the music volume, press the volume button on the remote control. To mute the sound, press the **MUTE** button on the remote control.
   - If the sound is odd when playing MP3 files, adjust the **Equalizer** and **SRS TruSurround HD** in the Sound menu. (An over-modulated MP3 file may cause a sound problem.)
   - The playing duration of a music file may be displayed as ‘00:00:00’ if its playing time information is not found at the start of the file.
   - ◄◄ (REW) or ►► (FF) buttons do not function during play.

Music Play Control Buttons

Button	Operations
ENTER⏎	Play/Pause the music file.
▶	Play the music file
⏸	Pause the music file
■	Exit play mode and return to the music list.
TOOLS	Run various functions from the Music menus.

✎ **Music function information icon**

🔁	When all music files in the folder (or the selected file) are repeated. **Repeat Mode** is **On**.
↻	When all music files in the folder (or the selected file) are played once. **Repeat Mode** is **Off**.

Playing the music group

1. Press the ▲ button to move to the Sort key Section.
2. Press the ◄ or ► button to select a sorting standard.
3. Press the ▼ or **ENTER**↵ button to move to the Group List Section.
4. Press the ► (Play) button. The files of the selected group will start playing.

- **Alternatively**

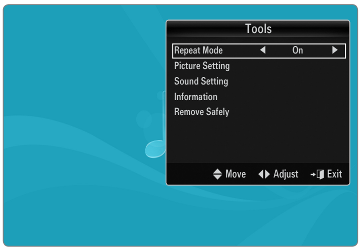
1. Select a sort key and then in the File List Section, select the files contained in the desired group.
   ✎ To move to the previous/next group, press the ◄◄ (REW) or ►► (FF) button.
2. Press the **TOOLS** button.
3. Press the ▲ or ▼ button to select **Play Current Group**, then press the **ENTER**↵ button.
   ✎ The music files in the sorting group including the selected file are played.

Playing the selected music files

1. Press the ◄ or ► button to select the desired music file , and press the yellow button.
2. Repeat the above operation to select multiple music files.
   ✎ The ✓ appears to the left of the selected music file.
   ✎ To deselect all selected files, press the **TOOLS** button and select **Deselect All**.
3. Press the ► (Play)/**ENTER**↵ button.
   ✎ The selected files will be played.

Music Play option Menu

Music Play Option Menu


Tools
Repeat Mode ◄ On ►
Picture Setting
Sound Setting
Information
Remove Safely
Move
Adjust
Exit

❑ **Repeat Mode → On / Off**

You can play music files repeatedly.

❑ **Picture Setting / Sound Setting**

You can configure the picture and sound settings.

❑ **Information**

The music file information is displayed.

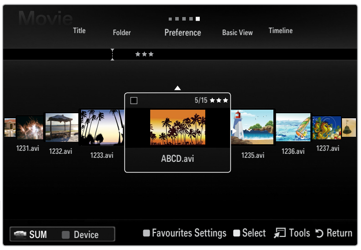
❑ **Remove Safely**

You can remove the device safely from the TV.

Sorting the Movie List

You can sort movies in the Movie List by a particular standard.

1. Press the **MEDIA.P** button.
2. Press the ◄ or ► button to select **Movie**, then press the **ENTER**↵ button.
3. Press the ▲ button to move to the Sort key Section.
4. Press the ◄ or ► button to select a sorting standard. (**Basic View, Timeline, Title, Folder, Preference**)
   ✎ The movie files are sorted according to the newly selected sorting standard.
5. Press the ▼ button to move to the File List Section. Press the ► (Play)/**ENTER**↵ button to play the movie in the order selected by the user.
   ✎ Movie information is automatically set. You can change the preference.


Movie
Title
Folder
Preference
Basic View
Timeline
★★★
5/15 ★★★
1231.avi
1232.avi
1233.avi
ABCD.avi
1235.avi
1236.avi
1237.avi
SUM
Device
Favourites Settings
Select
Tools
Return

❑ Basic View

Shows the folders of the USB memory device. If you select a folder and press the ▶**(Play)** button, only the movie files contained in the selected folder are displayed.

✎ When sorted according to the **Basic View**, you cannot set Favourites files.

❑ Timeline

Sorts movies by date. It sorts by year and month from the earliest movie.

❑ Title

Sorts and displays the movie titles in symbol/number/alphabet/special order.

❑ Folder

If there are many folders in USB, the movies files are shown in order in each folder. The movie file in the Root folder is shown first and the others are shown in alphabetical order by name.

❑ Preference → ☆☆☆ / ☆☆★ / ☆★★ / ★★★

Sorts movies by preference. (Favourites) You can change the movie preferences.

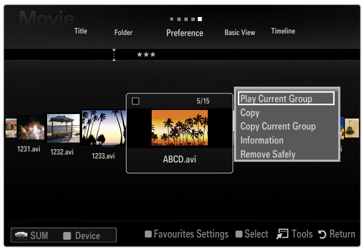
✎ **Changing the Favourites Settings**
Select the desired movie file in the movie list, then press the Green button repeatedly until the desired setting appears.

✎ Up to 3 stars can be selected.

✎ The stars are for grouping purposes only. For example, the 3 star setting does not have any priority over the one star setting.

Movie List Option Menu

1. Press the **MEDIA.P** button.
2. Press the ◀ or ▶ button to select **Movie**, then press the **ENTER**⏎ button.
3. Press the ◀ or ▶ button to select the desired Movie file.
   ✎ Selecting Multiple Movie Files
   Press the ◀ or ▶ button to select the desired movie file. Then press the yellow
   Repeat the above operation to select multiple movie files.
   The mark ✓ appears to the selected movie file.
4. Press the **TOOLS** button.
   ✎ The option menu changes according to the current status.



❑ Play Current Group

Using this menu, you can only play movie files in the currently selected sorting group.

❑ Copy / Copy Current Group / Copy selected file (When multiple files are selected)

Select the movie to copy. (Alternatively, select multiple files by pressing the Yellow button.) Press the **TOOLS** button to select **Copy** (or **Copy Current Group / Copy selected file**). The files on the USB device are saved to the TV memory.

✎ You can only copy the files saved on the USB device.

✎ When the TV memory is full, files cannot be copied.

❑ Delete / Delete All / Delete Selected File (When multiple files are selected)

Select the file to delete. (Alternatively, select multiple files by pressing the Yellow button.) Press the **TOOLS** button to select **Delete** (or **Delete All / Delete Selected File**). The files are deleted.

✎ You can only delete the files saved in the TV memory.

✎ You cannot recover a deleted file.

❑ Deselect All (When at least one file is selected)

You can deselect all files.

✎ The ✓ mark indicating the corresponding file is selected is hidden.

❑ Information

The movie file information including the name, the size, the date modified and the path is displayed.

☞ Press the **INFO** button to viewing the information.

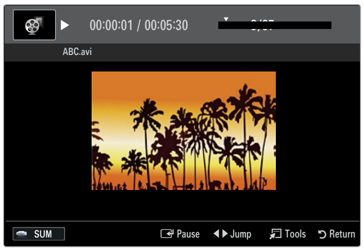
❑ Remove Safely

You can remove the device safely from the TV.

Playing a Movie File

Playing a movie file

1. Pressing the ◄ or ► button to select a movie file to be played.
2. Press the ▶ (Play)/**ENTER**⏎ button.
   - The selected file is played.
   - The selected file is displayed at the top with its playing time.
   - The playing duration of a movie file may be displayed as '00:00:00' if its playing time information is not found at the start of the file.
   - You can watch exciting gaming multimedia files, but the gaming function is not supported.



- **Supported Video Formats**

File Extension	Container	Video Decoder	Support Resolution
*.avi	AVI	Divx 3.11/4.x/5.1/6.0	720x576
		XviD	1920x1080
		H.264 BP/MP/HP	
		MPEG-4 SP	
		MPEG-4 ASP	
		Motion JPEG	800x600
*.mkv	MKV	Divx 3.11/4.x/5.1/6.0	720x576
		XviD	1920x1080
		H.264 BP/MP/HP	
		MPEG-4 SP	
		MPEG-4 ASP	
		Motion JPEG	800x600
*.asf	ASF	Divx 3.11/4.x/5.1/6.0	720x576
		XviD	1920x1080
		H.264 BP/MP/HP	
		MPEG-4 SP	
		MPEG-4 ASP	
*.wmv (VC1)		Window Media Video v9	
*.mp4	MP4 (SMP4)	H.264 BP/MP/HP	1920x1080
		MPEG-4 SP	
		MPEG-4 ASP	
		XVID	
*.mpg *.mpeg *.vro *.vob (ps)	PS	MPEG1 (Programme Stream)	1920x1080
		MPEG2 (Programme Stream)	
others (ts)		MPEG2 (Transport Stream)	1920x1080
		H.264 (Transport Stream)	
		VC1 (Transport Stream)	

- **Video Play Control Buttons**

Button	Operations
ENTER⏎	Play/Pause the movie file
▶	Play the movie file
❚❚	Pause the movie file
TOOLS	Run various functions from the Movie menus.
■	Exit play mode and return to the movie list.
◄ / ►	Skip forwards or backwards through the movie file.
▲ / ▼	Move to the first/last of the file.
▶▶	Play the file at double speed. This function may not be supported depending on the codec.

Playing the movie group

1. Press the ▲ button to move to the Sort key Section.
2. Press the ◄ or ► button to select a sorting standard.
3. Press the ▼ or **ENTER**↵ button to move to the Group List Section.
4. Press the ► (Play) button. Only the files of the selected group will start playing.

- **Alternatively**

1. Select a Sort key and then in the File List Section, select the files contained in the desired group.
   ✎ To move to the previous/next group, press the ◄◄ (REW) or ►► (FF) button.
2. Press the **TOOLS** button.
3. Press the ▲ or ▼ button to select **Play Current Group**, then press the **ENTER**↵ button.
   ✎ The movie files in the sorting group including the selected file are played.

Playing the selected movie files

1. Press the ◄ or ► button to select the desired movie file.
2. Press the Yellow button.
   ✎ The ✓ mark appears to the left of the selected movie file.
3. Repeat the above operation to select multiple movie files.
4. Press the ► (Play)/**ENTER**↵ button.
   ✎ Only the selected file is played.

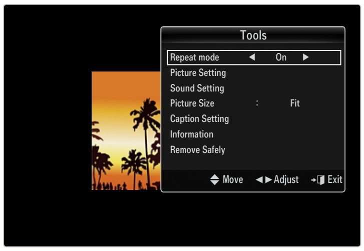
Playing movie continuously (Resume Play)

If you exit playing movie function, the movie can be played later from the point where it was stopped.

1. Select the movie file you want to play continuously by pressing ◄ or ► button to select it from the Movie List.
2. Press the ► (Play)/**ENTER**↵ button.
3. Select play continuously (Resume Play) by pressing the Blue button.
   ✎ The Movie will begin to play from where it was stopped .
   ✎ If **Cont. movie play help** function was set **On** in the Setup menu, a pop-up message will appear when you resume play a movie file.

Movie Play Option Menu

Movie Play Option Menu



Repeat mode ◄ On ►

Picture Size : Fit

❑ **Repeat Mode → On / Off**

You can play movie files repeatedly.

❑ **Picture Setting / Sound Setting**

You can configure the picture and sound settings.

❑ **Picture Size**

- **Fit**

  Play video at the TV screen size.

- **Original**

  Play video at the original size.

❑ Caption Setting

You can set the captions for the movie.

■ Caption → On / Off

You can turn the captions for the movie on or off.

■ Caption Language

You can select the language of the captions.

■ Caption Size → Small / Standard / Large

You can change the font size of the captions.

■ Caption Sync.

You can adjust the caption sync.

■ Caption Sync Reset

You can reset the adjusted caption sync.

❑ Information

The movie file information is displayed.

❑ Remove Safely

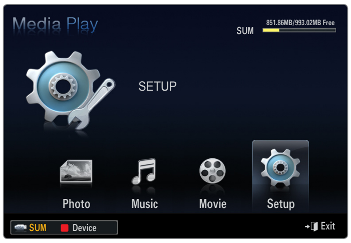
You can remove the device safely from the TV.

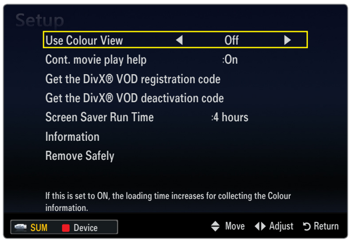
Using the Setup Menu

Setup displays the user settings of the **Media Play** menu.

1. Press the **MEDIA.P** button.
2. Press the ◄ or ► button to select **Setup**, then press the **ENTER** ⏎ button.
3. Press the ▲ or ▼ button to select the desired option.
4. Press the ◄ or ► button to select the option, then press the **ENTER** ⏎ button.

✎ To exit **Media Play** mode, press the **MEDIA.P** button on the remote control.




Setup

Use Colour View ◄ Off ►
Cont. movie play help :On
Get the DivX® VOD registration code
Get the DivX® VOD deactivation code
Screen Saver Run Time :4 hours
Information
Remove Safely

If this is set to ON, the loading time increases for collecting the Colour information.

❑ Use Colour View → On / Off

You can select sorting photos by colour. If this option is set to **On**, the loading time may be increased to collect colour information from the photos.

❑ Cont. movie play help → On / Off

Select to display the help pop-up message for continuous movie playback.

❑ Get the DivX® VOD registration code

Shows the registration code authorized for the TV. If you connect to the DivX web site and register the registration code with a personal account, you can download VOD registration file.

If you play the VOD registration using **Media Play**, the registration is completed.

✎ For more information on DivX® VOD, visit www.DivX.com.

❑ Get the DivX® VOD deactivation code

When DivX(R) VOD is not registered, the registration deactivation code is displayed.

If you execute this function when DivX® VOD is registered, the current DivX® VOD registration is deactivated.

❑ Screen Saver Run Time → 2 hours / 4 hours / 8 hours

Select to set the waiting time before the screen saver appears.

❑ Information

Select to viewing the information of the connected device.

❑ Remove Safely

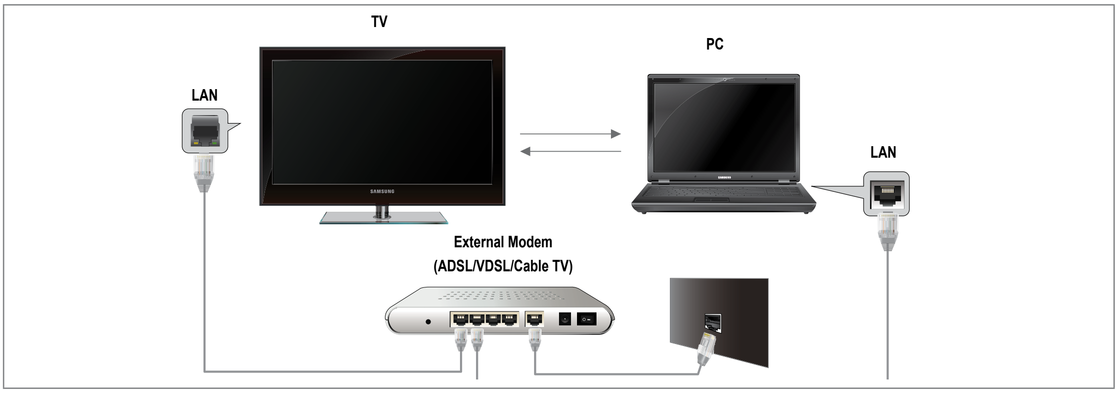
You can remove the device safely from the TV.

MEDIA PLAY-DLNA

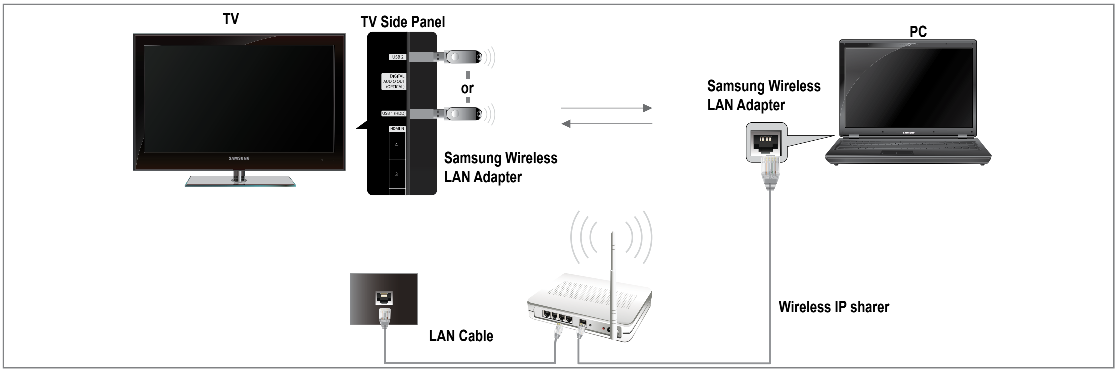
Setting the DLNA Network

DLNA allows you to watch pictures, musics and videos saved in your PC on your TV through a network connection in Media Play mode. This leaves out the need to copy them to a USB storage device and then connect the device to your TV. To use DLNA, the TV must be connected to the network and the DLNA application must be installed on your PC.

Network Connection Diagram-Cable


TV
PC
LAN
LAN
External Modem
(ADSL/VDSL/Cable TV)

Network Connection Diagram-Wireless


TV
TV Side Panel
USB 2
DIGITAL AUDIO OUT (OPTICAL)
USB 1 (HDD)
HDMI IN
4
3
or
PC
Samsung Wireless LAN Adapter
Samsung Wireless LAN Adapter
Wireless IP sharer
LAN Cable

1. For more information on how to configure your network, refer to page 23.
   - You are recommended to locate both TV and PC in same subnet. The first 3 parts of the subnet address of the TV and the PC IP addresses should be the same and only the last part (the host address) should be changed. (e.g. IP Address: 123.123.123.**)
2. Connect the PC to which the **Samsung PC Share Manager** programme will be installed and the external modem using a LAN cable.
   - You can connect the TV to the PC directly without connecting it through a Sharer (Router).

Installing the DLNA Application

To play content in the PC on the TV, you have to first install the application. To use the DLNA function smoothly, use the programme in the CD-ROM supplied with the TV or use the Samsung PC Share Manager programme corresponding to the TV model that can be downloaded from the Samsung web site.

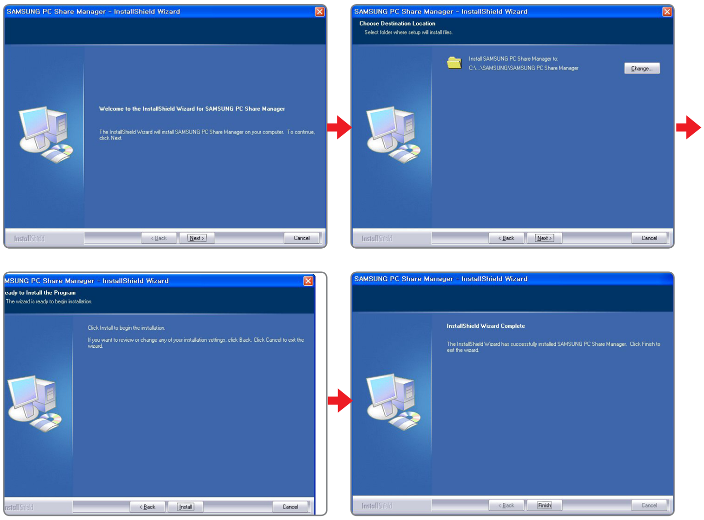
System Requirements

1. Insert the Programme CD supplied with this TV into your PC.
2. 30MB of free hard disk space is needed for the programme installation.
   - If you share files, up to 30MB of hard disk drive space is required for each 100 files.
   - If you cancel file sharing, the hard disk drive space used for the thumbnail information is also freed.

Supported Formats

- Image: JPEG/ Audio: MP3/ Video: AVI, MKV, ASF, MP4, PS, TS container. For detailed supported video formats, refer to page 41.

Install the application


SAMSUNG PC Share Manager - InstallShield Wizard
InstallShield
< Back
Next >
Cancel
Choose Destination Location
Change...
Install
Finish

Welcome to the InstallShield Wizard for SAMSUNG PC Share Manager

The InstallShield Wizard will install SAMSUNG PC Share Manager on your computer. To continue, click Next.

Select folder where setup will install files.

Install SAMSUNG PC Share Manager to:
C:\...\SAMSUNG\SAMSUNG PC Share Manager

eady to Install the Program

The wizard is ready to begin installation.

Click Install to begin the installation.

If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.

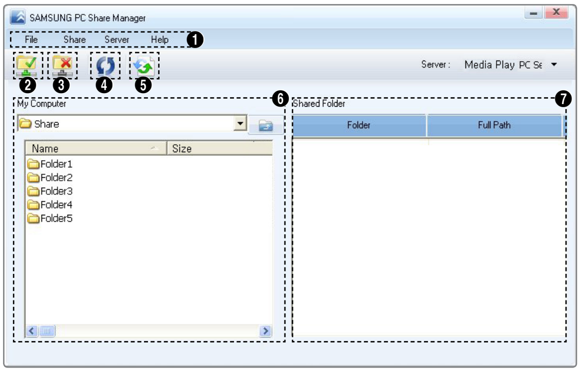
InstallShield Wizard Complete

The InstallShield Wizard has successfully installed SAMSUNG PC Share Manager. Click Finish to exit the wizard.

1. Run the Setup.exe file on the Programme CD supplied with the product.
   - ✎ Alternatively, you can download the file from www.samsung.com.
2. Install the SAMSUNG PC Share Manager as shown in the figures below.
3. When the installation is complete, the PC Share Manager icon appears on your Desktop.
   - ✎ Double-click the icon to run the programme.

Using the DLNA Application

The Programme Screen Layout


SAMSUNG PC Share Manager
File
Share
Server
Help
①
②
③
④
⑤
⑥
⑦
Server :
Media Play PC Se
My Computer
Share
Name
Size
Folder1
Folder2
Folder3
Folder4
Folder5
Shared Folder
Folder
Full Path

1. Menus: The following application menus are provided : **File, Share, Server**, and **Help**.
2. Click to share the selected PC server folder.
3. Click to cancel sharing.
4. Click to refresh the PC folder and files.
5. Click to synchronize the share status.
6. The folders and files of the PC to be shared are listed.
7. Folders shared by the user are listed.

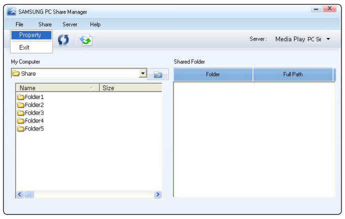
❑ File

■ Property

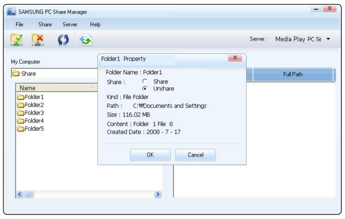
Shows information on the selected file or folder.

- Method 1: Select a file or folder and select the **File** menu and then select the **Property** sub-menu.
- Method 2: Select a file or folder, right-click over the selected file or folder and then select **Property** from the pop-up menu.

<Method 1>


SAMSUNG PC Share Manager
File
Share
Server
Help
Property
Exit
Server : Media Play PC Se
My Computer
Share
Name
Size
Folder1
Folder2
Folder3
Folder4
Folder5
Shared Folder
Folder
Full Path

<Method 2>


SAMSUNG PC Share Manager
File
Share
Server
Help
Server : Media Play PC Se
My Computer
Share
Name
Folder1
Folder2
Folder3
Folder4
Folder5
Full Path

Folder1 Property

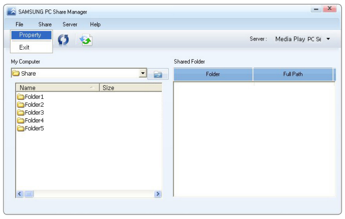
Folder Name : Folder1
Share : ○ Share ● Unshare
Kind : File Folder
Path : C:₩Documents and Settings
Size : 116.02 MB
Content : Folder 1 File 8
Created Date : 2008 - 7 - 17

OK Cancel

■ Exit

Exits the DLNA application.

If you select **Exit** without applying the changes after changing the shared status, a message will appear asking if you want to apply the changed settings to the PC. Select **Yes** to apply the changes and exit the application.


SAMSUNG PC Share Manager
File
Share
Server
Help
Property
Exit
Server : Media Play PC Se
My Computer
Share
Name
Size
Folder1
Folder2
Folder3
Folder4
Folder5
Shared Folder
Folder
Full Path

❑ Share

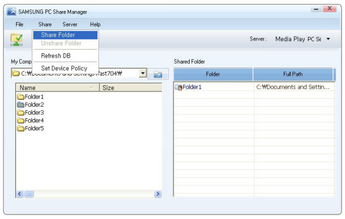
■ Sharing a Folder

You can share a folder from your PC to the TV. The maximum number of folders that can be shared is 32.

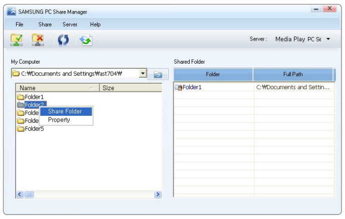
✎ Your PC will operate as a server to the TV.

- Method 1: Select a folder in **My Computer**, select the **Share** menu and then select the **Share Folder** sub-menu.
- Method 2: Select a folder in **My Computer**, right-click over the selected folder and then select **Share Folder** from the popup menu.
- Method 3: Locate the mouse pointer over a folder in the **My Computer** folder list in the left pane and drag & drop the folder into the Shared Folders pane. If a message appears asking you to confirm the shared folder, select **Yes**.

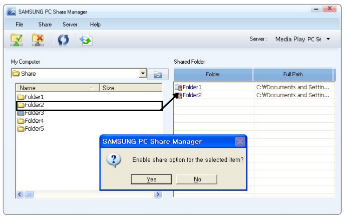
<Method 1>


SAMSUNG PC Share Manager
File
Share
Server
Help
Share Folder
Unshare Folder
Refresh DB
Set Device Policy
Server : Media Play PC Se
My Comp
Name
Size
Folder1
Folder2
Folder3
Folder4
Folder5
Shared Folder
Folder
Full Path
Folder1
C:₩Documents and Settin...

<Method 2>


SAMSUNG PC Share Manager
File
Share
Server
Help
Server : Media Play PC Se
My Computer
C:₩Documents and Settings₩ast704₩
Name
Size
Folder1
Folder2
Share Folder
Property
Folder5
Shared Folder
Folder
Full Path
Folder1
C:₩Documents and Settin...

<Method 3>


SAMSUNG PC Share Manager
File
Share
Server
Help
Server : Media Play PC Se
My Computer
Share
Name
Size
Folder1
Folder2
Folder3
Folder4
Folder5
Shared Folder
Folder
Full Path
Folder1
Folder2
C:₩Documents and Settin...
C:₩Documents and Settin...
Yes
No

SAMSUNG PC Share Manager

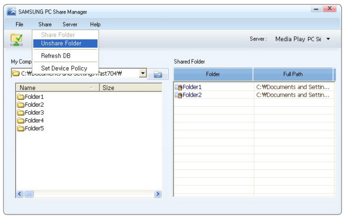
Enable share option for the selected item?

■ Cancelling a Shared Folder

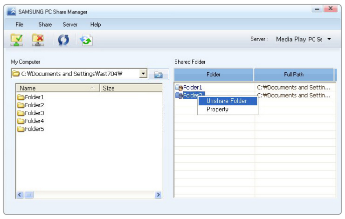
You can cancel a shared folder on your PC. Select a folder from the **Shared Folder** pane and select **Unshare Folder**.

- Method 1: Select a folder from the **Shared Folder** pane, select the **Share** menu and then select **Unshare Folder**.
- Method 2: Select a folder from the **Shared Folder** pane, right-click over the selected folder and then select **Unshare Folder** from the pop-up menu.
- Method 3: Locate the mouse pointer over a folder in the **Shared Folder** pane and drag&drop the folder into the **My Computer** pane. If a message appears asking you to confirm the cancelation, select **Yes**.

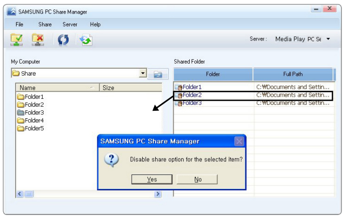
<Method 1>


SAMSUNG PC Share Manager
File
Share
Server
Help
Share Folder
Unshare Folder
Refresh DB
Set Device Policy
Server :
Media Play PC Se
My Comp
Shared Folder
Folder
Full Path
Name
Size
Folder1
Folder2
Folder3
Folder4
Folder5

<Method 2>


SAMSUNG PC Share Manager
File
Share
Server
Help
Server :
Media Play PC Se
My Computer
C:₩Documents and Settings₩ast704₩
Shared Folder
Folder
Full Path
Name
Size
Folder1
Folder2
Folder3
Folder4
Folder5
Unshare Folder
Property

<Method 3>


SAMSUNG PC Share Manager
File
Share
Server
Help
Server :
Media Play PC Se
My Computer
Share
Shared Folder
Folder
Full Path
Name
Size
Folder1
Folder2
Folder3
Folder4
Folder5
Yes
No

SAMSUNG PC Share Manager

Disable share option for the selected item?

Applying the Current Settings

Perform this when synchronization is necessary due to a new shared folder or cancelling a shared folder. The **Set Changed State** menu applies changes to shared folders to the data saved with the PC share programme.

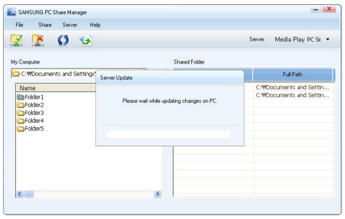
Since applying changes to the internal data is a time-consuming process, this function enables users to apply changes to the data only when required.

Until the **Set Changed State** menu is selected, the changed state of the shared folder is not applied to the server.

Changes to the shared folders are not applied to your PC until you select the **Set Changed State** menu.

- Method 1: Select the **Share** menu and select the Refresh DB sub-menu.
- Method 2: Click the **Set Changed State** icon.

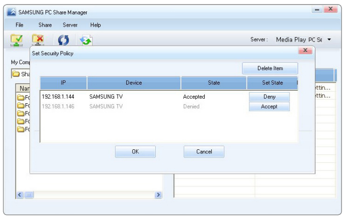
<Method 1>


SAMSUNG PC Share Manager
File
Share
Server
Help
Server :
Media Play PC Se
My Computer
C:₩Documents and Settings
Shared Folder
Full Path
Name
Folder1
Folder2
Folder3
Folder4
Folder5

Server Update

Please wait while updating changes on PC.

<Method 2>


SAMSUNG PC Share Manager
File
Share
Server
Help
Server :
Media Play PC Se
Set Security Policy
Delete Item
OK
Cancel

IP	Device	State	Set State
192.168.1.144	SAMSUNG TV	Accepted	Deny
192.168.1.146	SAMSUNG TV	Denied	Accept

Setting the Access Permission

To enable the TV to find your PC, the TV must be set to **Set Device Policy** in the Access Permission Settings window. In addition, the PC server and the TV must be on the same subnet.

- Method: Select the **Share** menu and select **Set Device Policy**. Rejected items are represented in gray. You can change the access permissions by using the Allow **Accept** / **Deny** button. To delete an item, select the item and select **Delete Item**.

❑ Server

Server

You can run or stop using your PC as a server.

Run DLNA Digital Media Server when Windows Starts

You can determine whether to start the PC server automatically when Windows starts.

Change server name

You can rename the PC server. Enter a new name and click **OK**. The new name will appear at the top right of the window and will appear on the TV.

❑ Help

Version

The programme version information message box appears.

Using the DLNA Function

Using the DLNA Menu

DLNA (Digital Living Network Alliance) enables content saved on a DLNA server (usually your PC) connected to your TV or over a network to be played. Media Play enables playing content saved on a USB memory device connected to the TV, while DLNA enables playing content saved on a DLNA server (your PC) connected to your TV or over the network. The procedures to use the content are the same as those for **Media Play (USB & DLNA)**.

✎ If you install the PC share manager programme supplied with the TV onto a PC, you can have the PC perform the role of a DLNA server over the network.

✎ For detailed procedures on using the DLNA menu, refer to page 31.

1. Press the **MEDIA.P** button on the remote control to display the **DLNA** menu.
2. Press the ◄ or ► button to select an icon (**Photo, Music, Movie, Setup**), then press the **ENTER**↵ button.
   - ✎ To exit **DLNA** mode, press the **MEDIA.P** button on the remote control.
   - ✎ DLNA does not support the following functions.
     - – The Background Music and Background Music Setting functions.
     - – Sorting files by preference in the Photo, Music, and Movie folders.
     - – The Change Group Info function.
     - – The Copy / Delete function.
     - – The Remove Safely function.
     - – The REW/FF (◄◄/►►) key functions while a movie is playing.
     - – Playing Movie Continuously (Resume Play) function.
   - ✎ The Skip function may not work with some container such as asf and mkv.
   - ✎ The Divx DRM, Multi-audio, embedded caption does not supported.
   - ✎ Samsung PC Share manager should be permitted by the firewall programme on your PC.
   - ✎ The Skip (◄/► keys) or Pause function may not work while a movie is playing for the DLNA of other manufacturers, depending on the corresponding content information.
   - ✎ The playing time may not be displayed while a movie is playing.

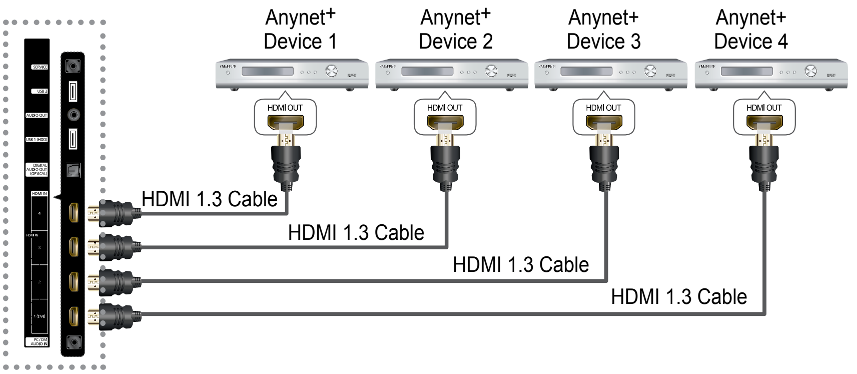
ANYNET+

Connecting Anynet+ Devices

What is Anynet+?

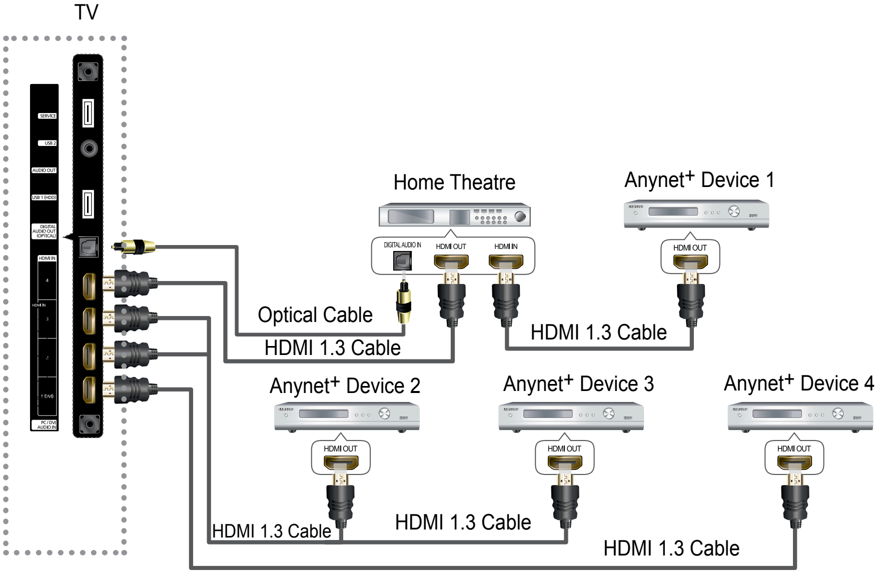
Anynet+ is a function that enables you to control all connected Samsung devices that support Anynet+ with your Samsung TV's remote. The Anynet+ system can be used only with Samsung devices that have the Anynet+ feature. To be sure your Samsung device has this feature, check if there is an Anynet+ logo on it.

To connect to a TV


Anynet+ Device 1
Anynet+ Device 2
Anynet+ Device 3
Anynet+ Device 4
HDMI OUT
HDMI 1.3 Cable
HDMI 1.3 Cable
HDMI 1.3 Cable
HDMI 1.3 Cable
SERVICE
USB 2
AUDIO OUT
USB 1 (HDD)
DIGITAL AUDIO OUT (OPTICAL)
HDMI IN
4
3
2
1 (DVI)
PC/DVI AUDIO IN

Connect the **HDMI IN 1(DVI)/HDMI IN 2/HDMI IN 3/HDMI IN 4** jack on the TV and the HDMI OUT jack of the corresponding Anynet+ device using an HDMI cable.

To connect to Home Theatre

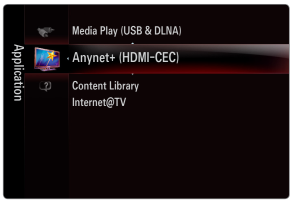

TV
Home Theatre
DIGITAL AUDIO IN
HDMI OUT
HDMI IN
Anynet+ Device 1
HDMI OUT
Optical Cable
HDMI 1.3 Cable
HDMI 1.3 Cable
Anynet+ Device 2
Anynet+ Device 3
Anynet+ Device 4
HDMI OUT
HDMI 1.3 Cable
HDMI 1.3 Cable
HDMI 1.3 Cable
SERVICE
USB 2
AUDIO OUT
USB 1 (HDD)
DIGITAL AUDIO OUT (OPTICAL)
HDMI IN
4
3
2
1 (DVI)
PC/DVI AUDIO IN

1. Connect the **HDMI IN 1(DVI)/HDMI IN 2/HDMI IN 3/HDMI IN 4** jack on the TV and the HDMI OUT jack of the corresponding Anynet+ device using an **HDMI** cable.
2. Connect the HDMI IN jack of the home theatre and the HDMI OUT jack of the corresponding Anynet+ device using an HDMI cable.
   - Connect the Optical cable between the **DIGITAL AUDIO OUT (OPTICAL)** jack on your TV and the Digital Audio Input on the Home Theatre.
   - When following the connection above, the Optical jack only outputs 2 channel audio. You will only hear sound from the Home Theatre's Front Left and Right speakers and the subwoofer. If you want to hear 5.1 channel audio, connect the **DIGITAL AUDIO OUT (OPTICAL)** jack on the DVD / Satellite Box (ie Anynet Device 1 or 2) directly to the Amplifier or Home Theatre, not the TV.
   - Connect only one Home Theatre.
   - You can connect an Anynet+ device using the HDMI 1.3 cable. Some HDMI cables may not support Anynet+ functions.
   - Anynet+ works when the AV device supporting Anynet+ is in the Standby or On status.
   - Anynet+ supports up to 12 AV devices in total. Note that you can connect up to 3 devices of the same type.

Setting Up Anynet⁺

Press MENU button,and press ▲ or ▼ button to select application.In the application menu, select Anynet+(HDMI-CEC)

Press the **TOOLS** button to display the **Tools** menu. You can also display Anynet⁺ menu by selecting **Tools** → **Anynet⁺ (HDMI-CEC)**.

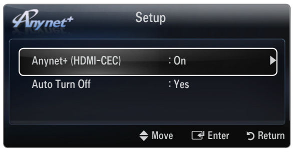


❑ Setup

■ Anynet⁺ (HDMI-CEC) → Off / On

To use the Anynet⁺ Function, **Anynet⁺ (HDMI-CEC)** must be set to **On**.

When the **Anynet⁺ (HDMI-CEC)** function is disabled, all the Anynet+ related operations are deactivated.



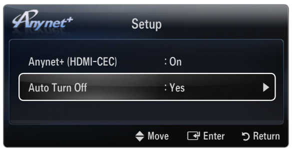
Anynet+ (HDMI-CEC) : On
Auto Turn Off : Yes

■ Auto Turn Off → No / Yes

Setting an Anynet⁺ Device to turn Off automatically when the TV is turned Off and setting a TV to turn off automatically when a HDMI-CEC device requestes tv to turn off.

Some HDMI-CEC devices may not support this function, for detail information, you can refer to the external device’s user manual or call manufacturer’s customer service center.

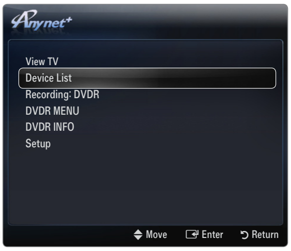
If you set **Auto Turn Off** to **Yes**, connected external devices are also turned off when the TV is turned off. If an external device is still recording, it may or may not turn off.



Anynet+ (HDMI-CEC) : On
Auto Turn Off : Yes

Switching between Anynet⁺ Devices

1. Press the **TOOLS** button. Press the **ENTER**⏎ button to select **Anynet⁺ (HDMI-CEC)**.
2. Press the ▲ or ▼ button to select **Device List**, then press the **ENTER**⏎ button.
    - Anynet⁺ devices connected to the TV are listed.
    - If you cannot find a device you want, press the red button to scan for devices.
3. Press the ▲ or ▼ button to select a particular device and press the **ENTER**⏎ button. It is switched to the selected device.
    - Only when you set **Anynet⁺ (HDMI-CEC)** to **On** in the **Application** menu, the **Device List** menu appears.



Switching to the selected devices may take up to 2 minutes. You cannot cancel the operation during the switching operation.

The time required to scan for devices is determined by the number of connected devices.

When the device scan is complete, the number of devices found are not displayed.

Although the TV automatically searches the device list when the TV is turned on via the power button, devices connected to the TV may not always be automatically displayed in the device list. Press the red button to search for the connected device.

If you have selected external input mode by pressing the **SOURCE** button, you cannot use the Anynet⁺ function. Make sure to switch to an Anynet⁺ device by using the **Device List**.

Anynet⁺ Menu

The Anynet⁺ menu changes depending on the type and status of the Anynet⁺ devices connected to the TV.

Anynet⁺ Menu	Description
View TV	Anynet⁺ mode changes to TV broadcast mode.
Device List	Shows the Anynet⁺ device list.
(device_name) **Menu**	Shows the connected device menus. E.g. If a DVD recorder is connected, the disc menu of the DVD recorder will appear.
(device_name) **INFO**	Shows the play menu of the connected device. E.g. If a DVD recorder is connected, the play menu of the DVD recorder will appear.
Recording: (*recorder)	Starts recording immediately using the recorder. (This is only available for devices that support the recording function.)
Stop Recording: (*recorder)	Stops recording.
Receiver	Sound is played through the receiver.

If more than one recording device is connected, they are displayed as (*recorder) and if only one recording device is connected, it will be represented as (*device_name).

TV Remote Control Buttons Available in Anynet+ Mode

Device Type	Operating Status	Available Buttons
Anynet+ Device	After switching to the device, when the menu of the corresponding device is displayed on the screen.	Numeric buttons ▲/▼/◄/►/ **ENTER**↵ buttons Colour buttons / **EXIT** button
	After switching to the device, while playing a file	◄◄(Backward search) / ►►(Forward search) / ■(Stop) / ►(Play) / II(Pause)
Device with built-in Tuner	After switching to the device, when you are watching a TV programme	**P ∨** / **P ∧** button
Audio Device	When Receiver is activated	**– ◢ +** / **MUTE** button

✎ The Anynet+ function only works when the active source on the TV remote control is set to TV.

✎ The ● button works only while in the recordable state.

✎ You cannot control Anynet+ devices using the buttons on the TV. You can control Anynet+ devices only using the TV remote control.

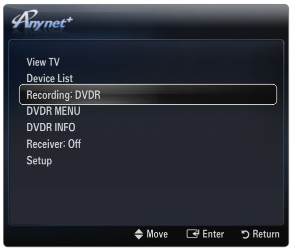
✎ The TV remote control may not work under certain conditions. If this occurs, reselect the Anynet+ device.

✎ The Anynet+ functions do not operate with other manufacturers' products.

✎ The ◄◄, ►► operations may differ depending on the device.

Recording

You can make a recording of a TV programme using a Samsung recorder.



1. Press the **TOOLS** button. Press the **ENTER**↵ button to select **Anynet+ (HDMI-CEC)**.
2. Press the ▲ or ▼ button to select Recording Immediately and press the **ENTER**↵ button. Recording begins.
   - ✎ When there is more than one recording device
     When multiple recording devices are connected, the recording devices are listed. Press the ▲ or ▼ button to select a recording device and press the **ENTER**↵ button. Recording begins.
   - ✎ When the recording device is not displayed select **Device List** and press the red button to search devices
3. Press the **EXIT** button to exit.

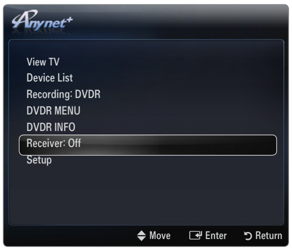
✎ You can record the source streams by selecting **Recording**: (device_name).

✎ Pressing the ● button will record whatever you are currently watching. If you are watching video from another device, the video from the device is recorded.

✎ Before recording, check whether the antenna jack is properly connected to the recording device. To properly connect an antenna to a recording device, refer to the recording device's users manual.

Listening through a Receiver (Home theatre)

You can listen to sound through a receiver instead of the TV speaker.



1. Press the **TOOLS** button. Press the **ENTER**↵ button to select **Anynet+ (HDMI-CEC)**.
2. Press the ▲ or ▼ button to select **Receiver**. Press the ◄ or ► button to select **On** or **Off**.
3. Press the **EXIT** button to exit.
   - ✎ If your receiver supports audio only, it may not appear in the device list.
   - ✎ The receiver will work when you have properly connected the optical in jack of the receiver to the **DIGITAL AUDIO OUT (OPTICAL)** jack of the TV.
   - ✎ When the receiver (home theatre) is set to On, you can hear sound output from the TV's Optical jack. When the TV is displaying a DTV(air) signal, the TV will send out 5.1 channel sound to the Home Theatre receiver. When the source is a digital component such as a DVD and is connected to the TV via HDMI, only 2 channel sound will be heard from the Home Theatre receiver.
   - ✎ If there is a power interruption to the TV when the **Receiver** is set to **On** (by disconnecting the power cord or a power failure), the **Speaker Select** may be set to **External Speaker** when you turn the TV on again.

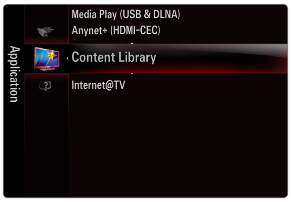
Troubleshooting for Anynet+

Problem	Possible Solution
Anynet+ does not work.	● Check if the device is an Anynet+ device. The Anynet+ system supports Anynet+ devices only. ● Connect only one receiver (home theatre). ● Check if the Anynet+ device power cord is properly connected. ● Check the Anynet+ device's Video/Audio/HDMI 1.3 cable connections. ● Check whether Anynet+ (HDMI-CEC) is set to On in the Anynet+ setup menu. ● Anynet+ doesn't work in certain situations. (Searching channels, Operating **Media Play, Plug & Play**, etc.) ● When connecting or removing the HDMI 1.3 cable, please make sure to search devices again or turn your TV off and on again. ● Check if the Anynet+ Function of Anynet+ device is set to on.
I want to start Anynet+.	● Check if the Anynet+ device is properly connected to the TV and check if the **Anynet+ (HDMI-CEC)** is set to **On** in the **Anynet+ Setup** menu. ● Press the TV button on the TV remote control to switch to TV. Then press the **TOOLS** button to show the Anynet+ menu and select a menu you want.
I want to exit Anynet+.	● Select **View TV** in the Anynet+ menu. ● Press the **SOURCE** button on the TV remote control and select a device other than Anynet+ devices. ● Press **P ∨/∧** and **PRE-CH** buttons to change to the TV mode. (Note that the channel button operates only when a tuner-embedded Anynet+ device is not connected.)
The message 'Connecting to Anynet+ device...' appears on the screen.	● You cannot use the remote control when you are configuring Anynet+ or switching to a view mode. ● Use the remote control when the Anynet+ setting or switching to view mode is complete.
The Anynet+ device does not play.	● You cannot use the play function when Plug & Play is in progress.
The connected device is not displayed.	● Check whether or not the device supports Anynet+ functions. ● Check whether or not the HDMI 1.3 cable is properly connected. ● Check whether **Anynet+ (HDMI-CEC)** is set to **On** in the Anynet+ setup menu. ● Search Anynet+ devices again. ● You can connect an Anynet+ device using the HDMI 1.3 cable only. Some HDMI cables may not support Anynet+ functions. ● If it is terminated by an abnormal situation such as disconnecting the HDMI cable or power cord or a power failure, please repeat the device scan.
The TV programme cannot be recorded.	● Check whether the antenna jack on the recording device is properly connected.
The TV sound is not output through the receiver.	● Connect the optical cable between TV and the receiver.

CONTENT LIBRARY

Using the Content Library

The Content Library allows you to enjoy various content on your TV. You can use the default content stored in the TV memory or you can enjoy new content using a USB device.



Using the Content Library Menu

1. Press the **MENU** button. Press the ▲ or ▼ button to select **Application**, then press the **ENTER** ↵ button.
2. Press the ▲ or ▼ button to select **Content Library**, then press the **ENTER** ↵ button.
   ✎ The **Content Library** main menu is displayed.
3. Press the ◄ or ► button to select an icon (**Gallery, Cooking, Game, Children, Wellness, Others, Content Management**), then press the **ENTER** ↵ button.

Using the Remote Control Button in Content Library Menu

Button	Operations
▲/▼/◄/►	Move the cursor and select an item.
ENTER ↵	Select the currently selected item.
RETURN	Return to the previous menu.
EXIT	Stop the current function and return to the **Content Library** main menu.
⌃ P ⌄	Stop **Content Library** mode and Returns to TV mode.
Colour button	Keys that provide functions are described on the corresponding page.
− ◢ + / MUTE	You can control the volume of the played content.

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Using the TV Memory Contents

You can use enjoy content stored in the TV memory. You can add/delete content to/from the TV memory. To add/delete content, select **Content Management**.

✎ To return to **Content Library** main menu, press the **EXIT** button.

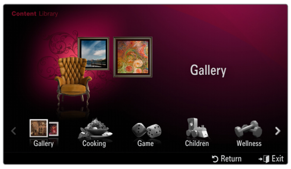
☐ Gallery

This function plays a SlideShow with high resolution images and background music and produces various atmospheres. Using the Gallery function of the TV, you can change your home atmosphere.

✎ The copyrights of the **Gallery** contents and all issues related to them are reserved by **TimeSpace, Inc.**

✎ Press the **ENTER** ↵ button to pause the SlideShow, and also press the **ENTER** ↵ button to resume the SlideShow.

✎ Press the **INFO** button to display information on the selected photo. (This is not displayed if the photo has no information.)



Cooking

You can view various recipes and then easily follow them step by step. Enjoy these contents which will give you great ideas for meals.

✎ The recipes introduced in the **Cooking** contents on the Samsung TV are based on recipes published by **Anness Publishing**.

✎ The copyrights of the **Cooking** contents and all issues related to them are reserved by Practical Pictures.

Game

This category provides entertainment games for the whole family.

✎ For the buttons used in the games, refer to the directions on the screen.

✎ Colour Buttons for Games

Button	Operations
Red	Press to move to the game home screen
Green	Press to pause the game
Yellow	Option Key
Blue	Press to exit the game

Children

This is educational and interactive content that children can watch repeatedly.

✎ The copyrights of the **Children** contents and issues related to them reserved by **UpToTen**.

Wellness

This is beneficial health management content that provides stretching and massage exercises that can be enjoyed by the whole family.

Others

The default content is not saved in the TV memory.

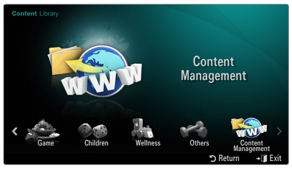
✎ You can copy new content to the TV memory using the **Content Management** screen.

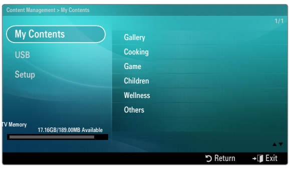
Using the Content Management

Content Management

You can add or delete contents using the **Content Management**.

✎ You can select multiple content items by selecting content items repeatedly and pressing the Yellow button.





My Contents

You can check the content saved in the TV memory for each subitem of the Content Library.

– Select a content item and press the **ENTER** ↵ button. You can play or delete the selected content item.

USB

You can check the content saved on the USB device for each subitem of the **Content Library**. Select a content item and press the **ENTER** ↵ button. You can play the selected content item or copy it to the TV memory.

✎ **Content Library** only supports USB Mass Storage Class devices (MSC). MSC is a Mass Storage Class Bulk-Only Transport device. Examples of MSC are Thumb drives and Flash Card Readers.

✎ Playing a game using an external USB memory device will allow you to save your game (depending on the game). Take care as removing the USB memory device while saving data to the USB memory device may cause the data to be lost.

Downloading New Contents

New content other than the built-in content will be provided via the Samsung.com website free of charge. When you downloadthe paid contents, you need UDN number to download contents. Check the UDN number before downloading a new contentitem.

- Downloading Content
  1. Visit the www.samsung.com website.
  2. Select a content item in the Contents Download page.
  3. Download the contents onto the USB memory device.
  4. Go to **Content Library** main menu by pressing **CONTENT** button or choosing **Content Library** (Menu → **Application** → **Content Library**).
  5. Plug the USB memory into USB port on the side of the TV.

- **Setup**
  - **Screen Saver Run Time**: Select to set the waiting time before the screen saver appears.
  - **Save UDN**: Saves the UDN number to a USB device.

  An NTFS format USB storage device does not support to save UDN. Recommended to use FAT format USB storage device.

INTERNET@TV

This function may not be supported depending on your country.

The menu may vary depending on model.

Getting Started with Internet@TV

Internet@TV provides SAMSUNG's widget services through a network connection. You can access various information such as YouTube through the **Internet@TV** service.

The configuration of Widgets and their provided services may differ according to the selected country. For more information on how to configure your country, refer to the 'Channel Menu' instructions.

You may experience slow operation or hesitation when using this function due to network conditions.

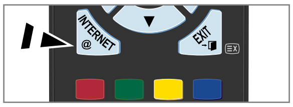
When running **Internet@TV** for the first time, the basic settings proceed automatically.

Before using **Internet@TV**, set up the network first. For more information on how to configure your network, refer to 'Setting the Network'.

1. Press the **MENU** button. Press the ▲ or ▼ button to select Application, then press the **ENTER**⏎ button.
2. Press the ▲ or ▼ button to select **Internet@TV**, then press the **ENTER**⏎ button.

   Press the **Internet@** button on the remote control to display the **Internet@TV** menu.
3. The 'User Agreement' is displayed. Select **Agree** to accept the agreement.
4. The 'Statistics & Analysis' is displayed. Select **Agree** to accept the agreement.

A service can be updated automatically on the TV.



Setting up Internet@TV

You can check and use the menus regarding **Single Sign On (SSO)**, system management and properties. Press the ▲ or ▼ button to select **Setup**, then press the **ENTER**⏎ button.

❑ Single Sign On

You can use this menu when creating, deleting the account.
Using the **Single Sign On**, you can control your account including contents site's account information.
You don't need additional log in.

Account is only for internet@TV.

- **Create Account**

  You can create account and be linked with desired service site.

  Account will be made less than 10.

  Character of Account should be limited to 10 words.

  If there is no service that needs log in, you can not create account.
- **Account Management**
  - **Service Site**: You can register log in information of service site.
  - **Change Password**: Change the password of your account.
  - **Delete**: Delete the account.

❑ System Setup

- **Change the Service Lock password**
  - ✎ The default password number of a new TV set is 0-0-0-0.
- **Service Duration → 2 Hours / 4 Hours / 8 Hours / 10 Hours / No limit**

  Select to set the service duration time before the screen saver appears.
- **Ticker Autorun → Off / On**

  Select to set ticker to run automatically or not when turning on the TV.
- **Ticker Duration → 2 Hours / 4 Hours / 8 Hours / 10 Hours / No limit**

  Select to set the service duration time before the screen saver appears.

❑ Properties

Display information of Internet@TV
You can measure the speed of your Internet TV service using **Checking the speed of the Internet TV service**.

Using the Internet@TV service

In a widget that provides multiple category menus, you can view the contents of the category menus using the ◄ and ► buttons.

Account Login

1. Press the Red button.
2. Select desired **User account**, then press the **ENTER** ↵ button.
3. Input the password.

✎ When login succeeds, User account will be displayed on the screen.

✎ Before login, at least one and more account should be registered. If you want to create account, refer to ‘Setting up Internet@TV’.

Using the Widget Gallery

For uninstalled widgets, the descriptions about the corresponding services are displayed.

- **Run Service**: Runs the widget service.
- **Lock**: Set the service lock
- **Install Service/Delete Service**: Install or delete widget service.

Using the Ticker

If a service has the **Ticker** function from among the widgets installed on the **Internet@TV**, you can use the service using the **Ticker** even while watching TV.

✎ For information about configuring the **Ticker**, refer to the ‘Setting Up Internet@TV’.

✎ The **Ticker** and captions are not displayed simultaneously.

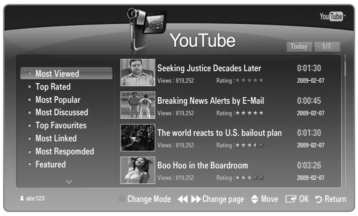
✎ To exit **Ticker** mode, press the **EXIT** or **RETURN** button on the remote control.

Using the YouTube Widget

You can watch the movie provided by YouTube.
If you have the account in YouTube, Register account information using Account management. Then, you can use My Favourites category.

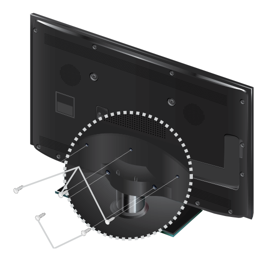
✎ The menu can be changed by web service.

✎ There may be inappropriate contents for child. In this case, use **Lock** function in **Widget Gallery**.


YouTube
YouTube
Today
1/7
Most Viewed
Top Rated
Most Popular
Most Discussed
Top Favourites
Most Linked
Most Respomded
Featured
Seeking Justice Decades Later
Views : 819,252
Rating : ★★★★★
0:01:30
2009-02-07
Breaking News Alerts by E-Mail
Views : 819,252
Rating : ★★★★★
0:00:45
2009-02-07
The world reacts to U.S. bailout plan
Views : 819,252
Rating : ★★★½☆
0:01:30
2009-02-07
Boo Hoo in the Boardroom
Views : 819,252
Rating : ★★★☆☆
0:03:26
2009-02-07
abc123
Change Mode
◄◄ ►► Change page
Move
OK
Return

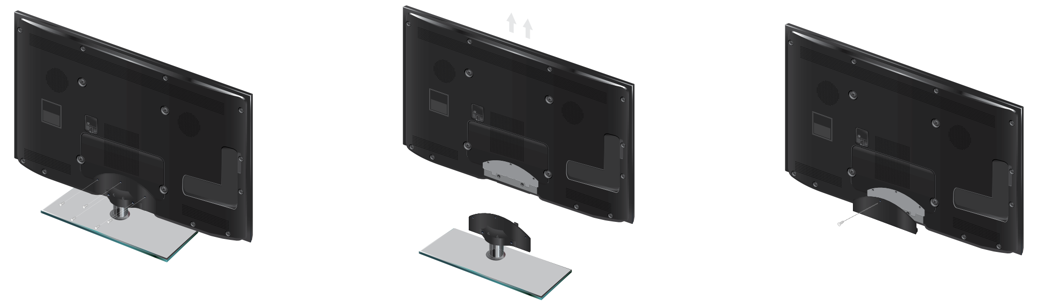
RECOMMENDATIONS

Installing the Stand



1. Attach your LED TV to the stand.
   - Two or more people should carry the TV.
   - Make sure to distinguish between the front and back of the stand when assembling them.
   - To make sure the TV is installed on the stand at a proper level, do not apply excess downward pressure to the upper left of right sides of the TV.
2. Fasten two screws at position ❶ and then fasten three screw at position ❷.
   - Stand the product up and fasten the screws. If you fasten the screws with the LED TV placed down, it may lean to one side.
   - The stand is installed for models with the screen size of 37 inch and above.
   - Assembling the Cables

Disconnecting the Stand

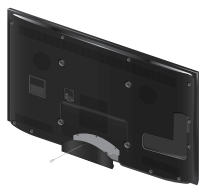


1. Remove four screws from the back of the TV.
2. Separate the stand from the TV.
   - Two or more people should carry the TV.
3. Cover the bottom hole with the cover.

Installing the Wall Mount Kit

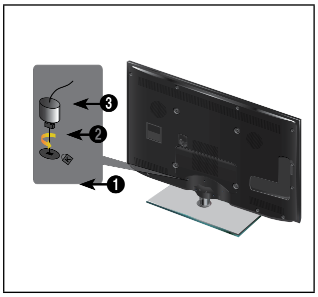
Wall mount items (sold separately) allow you to mount the TV on the wall.
For detailed information on installing the wall mount, see the instructions provided with the Wall Mount items. Contact a technician for assistance when installing the wall mounted bracket.
Samsung Electronics is not responsible for any damage to the product or injury to yourself or others if you elect to install the TV on your own.

- Remove the stand and cover the bottom hole with a cap and fasten with two screws.



⚠ Do not install your Wall Mount Kit while your TV is turned on. It may result in personal injury due to electric shock.

Anti-Theft Kensington Lock (depending on model)



The Kensington Lock is a device used to physically fix the system when using it in a public place. The appearance and locking method may differ from the illustration depending on the manufacturer.

Refer to the manual provided with the Kensington Lock for proper use.

The locking device has to be purchased separately.

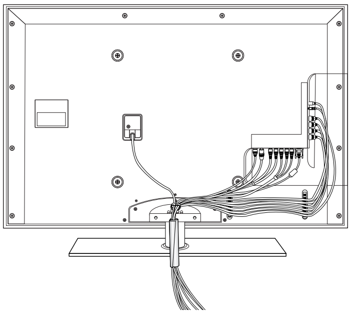
The location of the Kensington Lock may be different depending on its model.

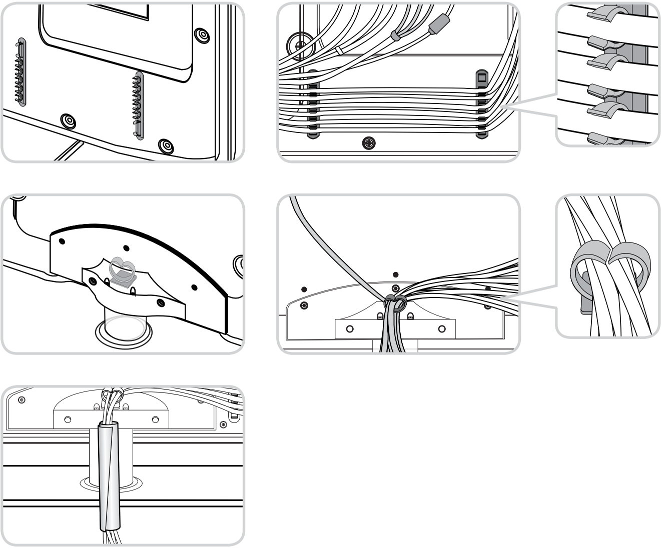
1. Insert the locking device into the Kensington slot on the LED TV ❶ and turn it in the locking direction ❷.
2. Connect the Kensington Lock cable ❸.
3. Fix the Kensington Lock to a desk or a heavy stationary object.

Assembling the Cables

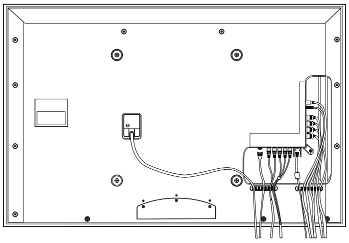
☐ Stand Type

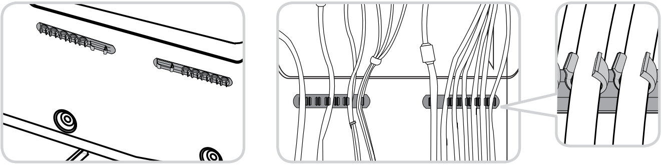
Enclose the cables in the Holder-Wire Cable so that the cables are not visible through the transparent stand.





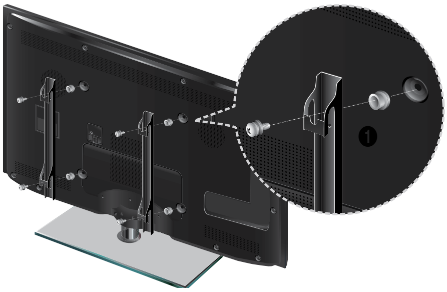
☐ Wall-Mount Type





Preparing before installing Wall-Mount

To install a wall-mount from another manufacturer, use the Holder-Ring ❶.



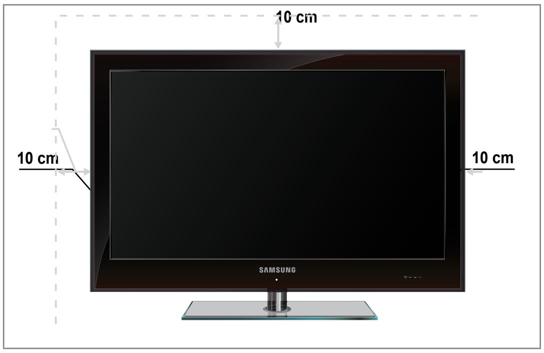
Securing the Installation Space

Keep the required distances between the product and other objects (e.g. walls) to ensure proper ventilation.
Failing to do so may result in fire or a problem with the product due to an increase in the internal temperature of the product.
Install the product so the required distances shown in the figure are kept.

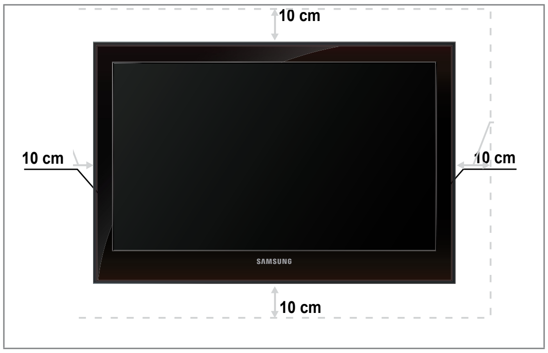
- When using a stand or wall-mount, use parts provided by Samsung Electronics only.
  - If you use parts provided by another manufacturer, it may result in a problem with the product or an injury due to the product falling.
  - If you use parts provided by another manufacturer, it may result in a problem with the product or fire due to an increase in the internal temperature of the product due to poor ventilation.

The appearance may differ depending on the product.

When installing the product with a stand



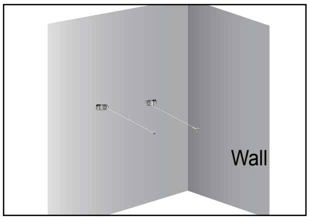
When installing the product with a wall-mount



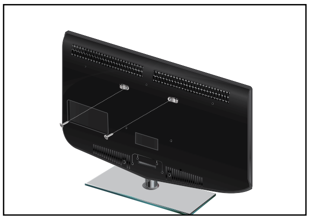
Securing the TV to the Wall

Caution: Pulling, pushing, or climbing on the TV may cause the TV to fall. In particular, ensure your children do not hang over or destabilize the TV; doing so may cause the TV to tip over, causing serious injuries or death. Follow all safety precautions provided on the included Safety Flyer. For added stability, install the anti-fall device for safety purposes, as follows.

To secure the TV:

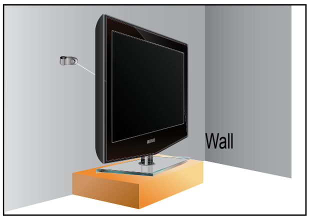


1. Put the screws into the clamps and firmly fasten them onto the wall. Confirm that the screws have been firmly installed onto the wall.
   - ✎ You may need additional material such as an anchor depending on the type of wall.
   - ✎ Since the necessary clamps, screws, and string are not supplied, please purchase them separately.



2. Remove the screws from the centre back of the TV, put the screws into the clamps, and then fasten the screws onto the TV again.
   - ✎ Screws may not be supplied with the product. In this case, please purchase the screws of the following specifications.
   - ✎ Screw Specifications

   For a 32 ~ 40 Inch LED TV: M6 X 15



3. Connect the clamps fixed onto the TV and the clamps fixed onto the wall with a strong cable.
   - ✎ Install the TV near to the wall so that it does not fall backwards.
   - ✎ It is safe to connect the string so that the clamps fixed on the wall are equal to or lower than the clamps fixed on the TV.
   - ✎ Remove the cable before moving the TV.
4. Verify all connections are properly secured. Periodically check connections for any sign of fatigue for failure. If you have any doubt about the security of your connections, contact a professional installer.

Troubleshooting: Before Contacting Service Personnel

Problem	Possible Solution
No sound or picture	Check that the mains lead has been connected to a wall socket. Check that you have pressed the button on your set. Check the picture contrast and brightness settings. Check the volume.
Normal picture but no sound	Check the volume. Check whether the **MUTE**🔇 button has been pressed on the remote control. Check the **Speaker Select** settings.
Screen is black and power indicator light blinks steadily	On your computer check; Power, Signal Cable. The TV is using its power management system. Move the computer's mouse or press any key on the keyboard.
No picture or black and white picture	Adjust the colour settings. Check that the broadcast system selected is correct.
Sound and picture interference	Try to identify the electrical appliance that is affecting the set and move it further away. Plug your set into a different mains socket.
Blurred or snowy picture, distorted sound	Check the direction, location and connections of your aerial. This interference is often due to the use of an indoor aerial.
Remote control malfunctions	Replace the remote control batteries. Clean the upper edge of the remote control (transmission window). Check the battery terminals.
'Check signal cable.' message is displayed	Check that the signal cable is firmly connected to the PC or video sources. Check that the PC or video sources are turned on.
On PC mode, 'Not Supported Mode.' message is displayed	Check the maximum resolution and the frequency of the video adaptor. Compare these values with the data in the Display Modes.
The damaged picture appears in the corner of the screen	If **Screen Fit** is selected in some external devices, the damaged picture may appear in the corner of the screen. This symptom is caused by external devices, not TV.
The 'Resets all settings to the default values.' message appears.	This appears when you press and hold the **EXIT** button for a while. The product settings are reset to the factory defaults.
You may see small particles if you look closely at the edge of the bezel surrounding the TV screen.	This is part of the product's design and is not a defect.

The TFT LED panel uses a panel consisting of sub pixels (6 220 800) which require sophisticated technology to produce. However, there may be few bright or dark pixels on the screen. These pixels will have no impact on the performance of the product.

Specifications

Model Name	**UA55B8000**	**UA46B8000**
Screen Size (Diagonal)	55 inch	46 inch
PC Resolution (Optimum)	1920 X 1080 @ 60 Hz	1920 X 1080 @ 60 Hz
Sound Output	15W x 2	10W x 2
Dimension (WxDxH)		
Without Stand	1321 X 30 X 815 mm	1131 X 31 X 688 mm
With Stand	1321 X 305 X 877 mm	1131 X 277 X 757 mm
Weight With Stand	28 kg	24 kg
Environmental Considerations		
Operating Temperature	10°C to 40°C (50°F to 104°F)	
Operating Humidity	10% to 80%, non-condensing	
Storage Temperature	-20°C to 45°C (-4°F to 113°F)	
Storage Humidity	5% to 95%, non-condensing	
Stand Swivel (Left / Right)	-20˚ ~ 20˚	

✎ Design and specifications are subject to change without prior notice.

✎ This device is a Class B digital apparatus.

✎ For the power supply and Power Consumption, refer to the label attached to the product.

- This product uses parts of the software from the Independent JPEG Group.
- This product uses parts of the software owned by the Freetype Project (www.freetype.org).
- This product uses some software programs which are distributed under the GPL/LGPL license. Accordingly, the following GPL and LGPL software source codes that have been used in this product can be provided after asking to vdswmanager@samsung.com.
  GPL software: Linux Kernel, Busybox, Binutils
  LGPL software: Glibc, ffmpeg, smpeg, libgphoto, libusb, SDL

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Version 3, 29 June 2007

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